

10034746-46404

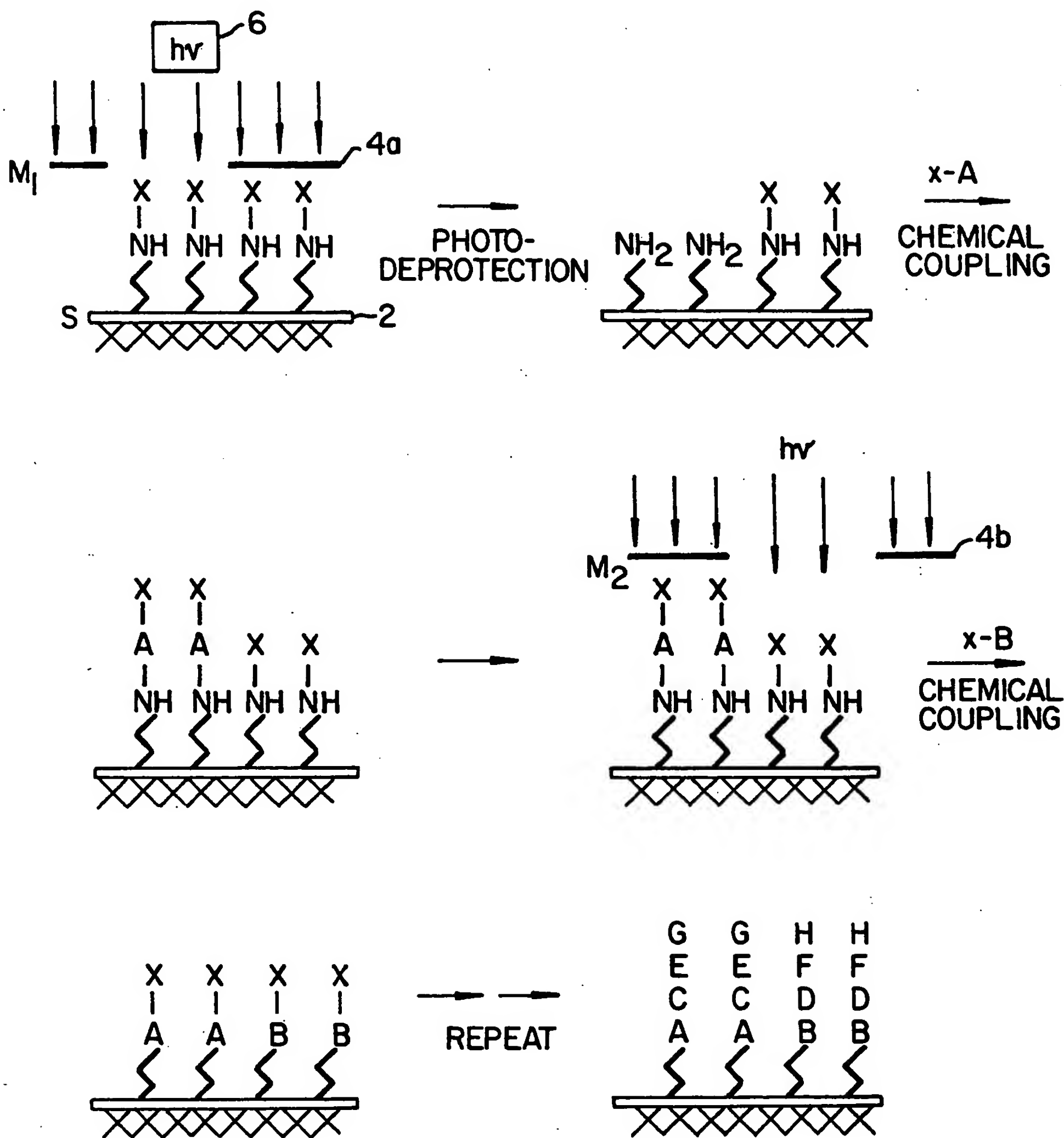


FIG. 1.

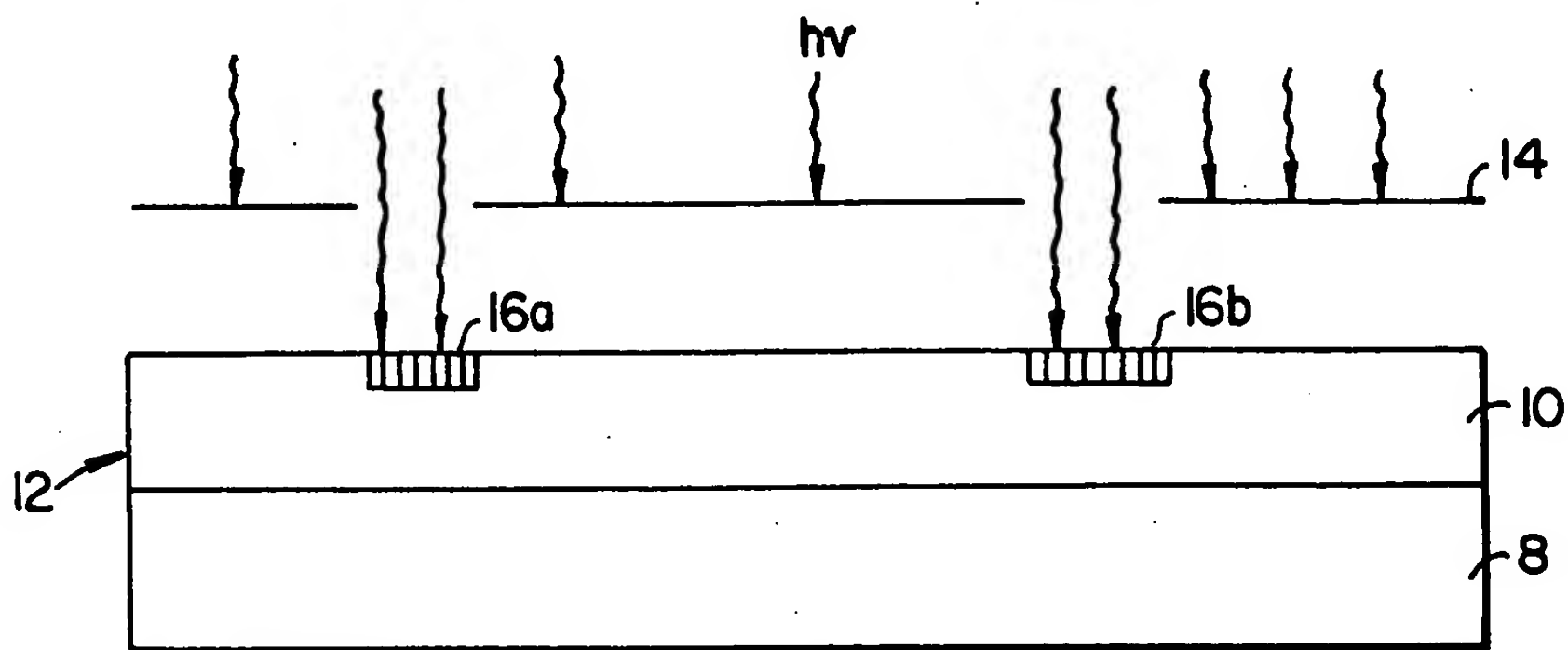


FIG. 2.

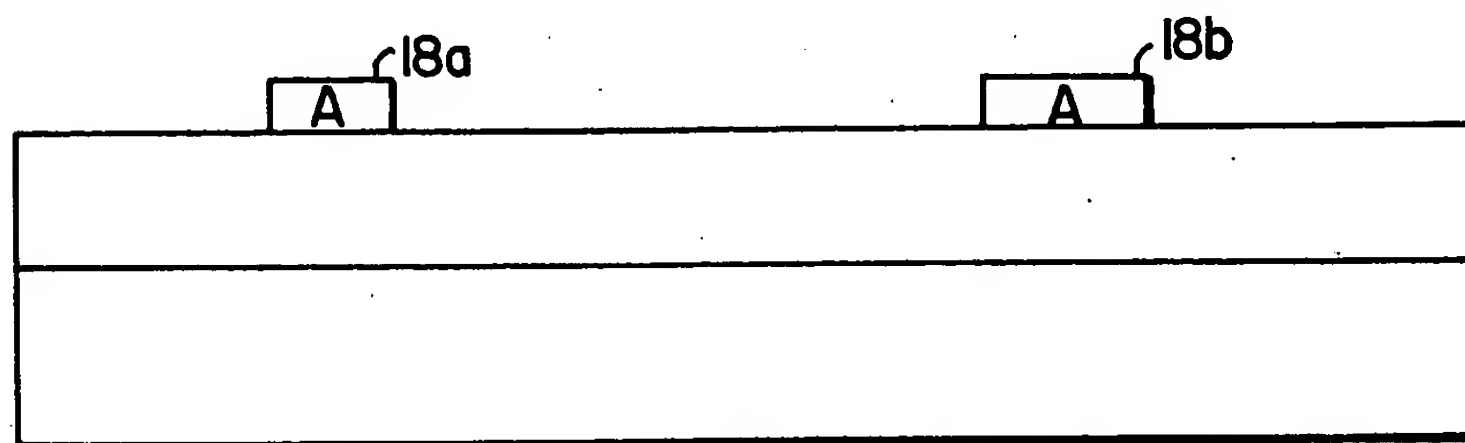


FIG. 3.

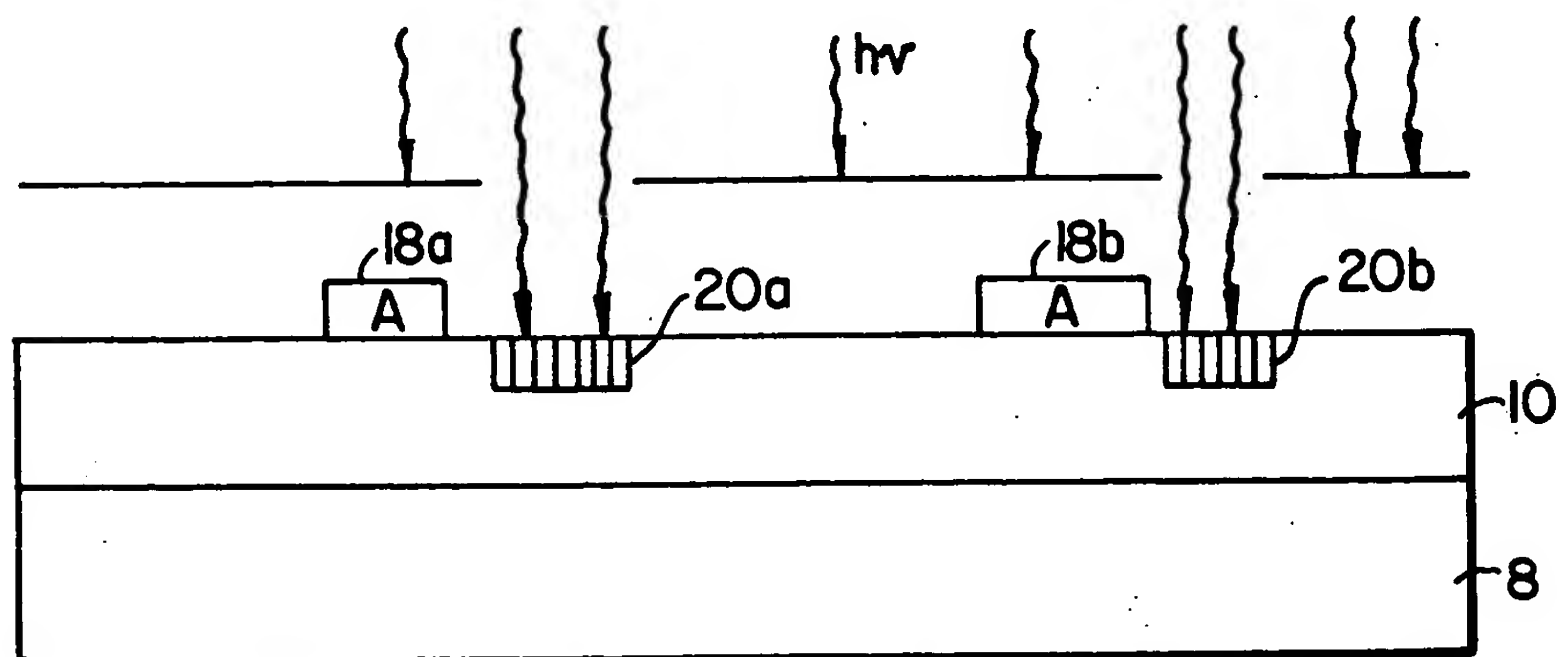


FIG. 4.

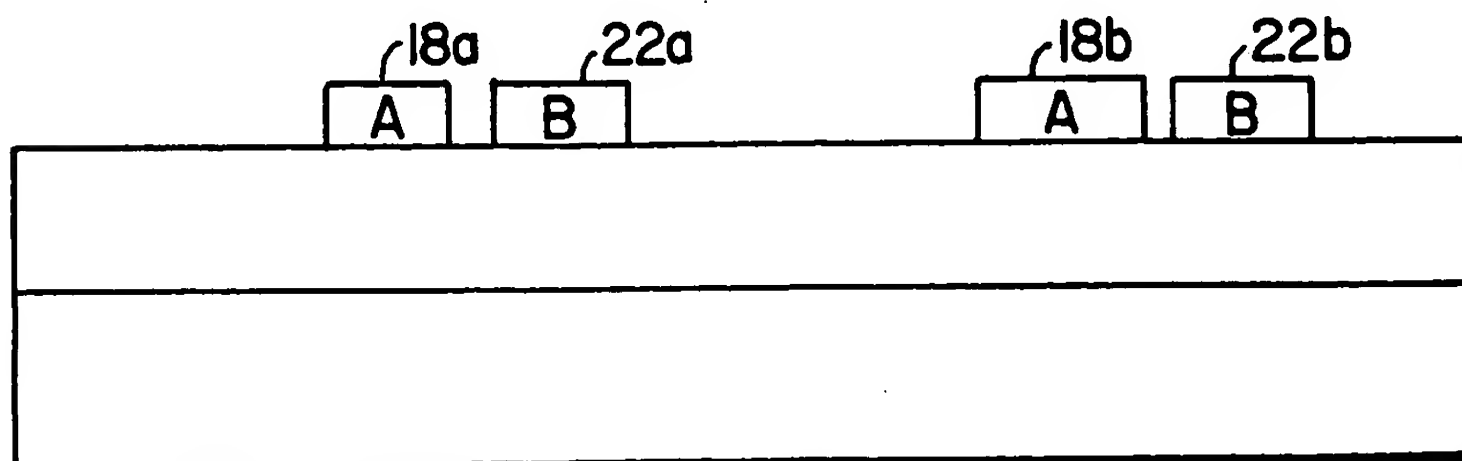


FIG. 5.

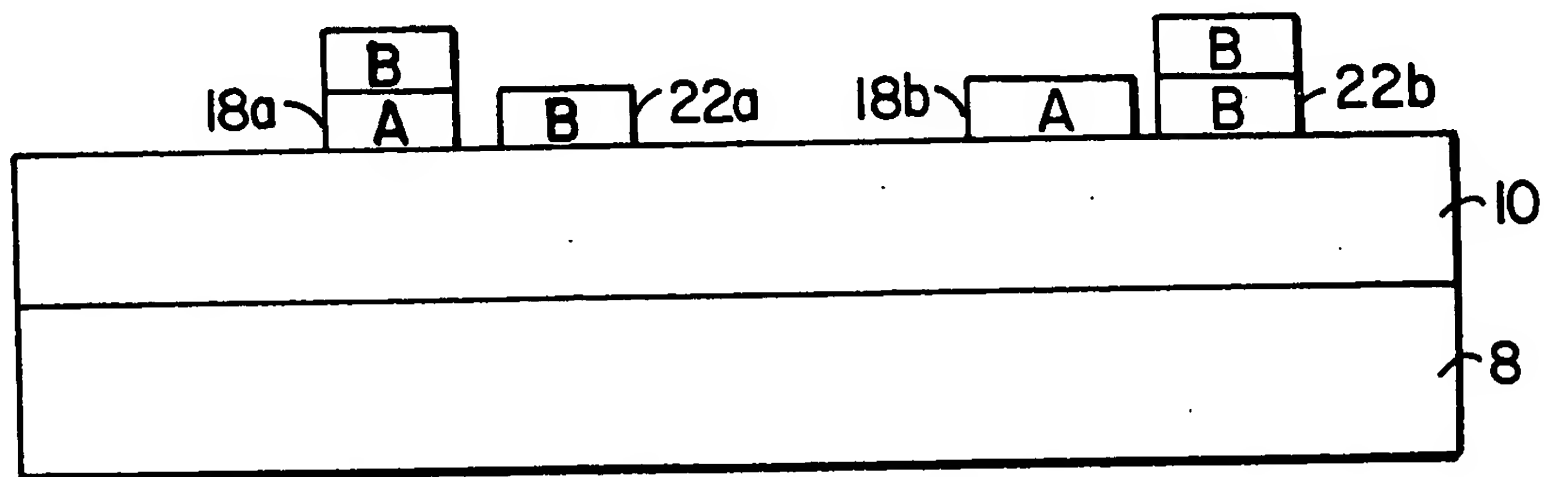


FIG. 6.

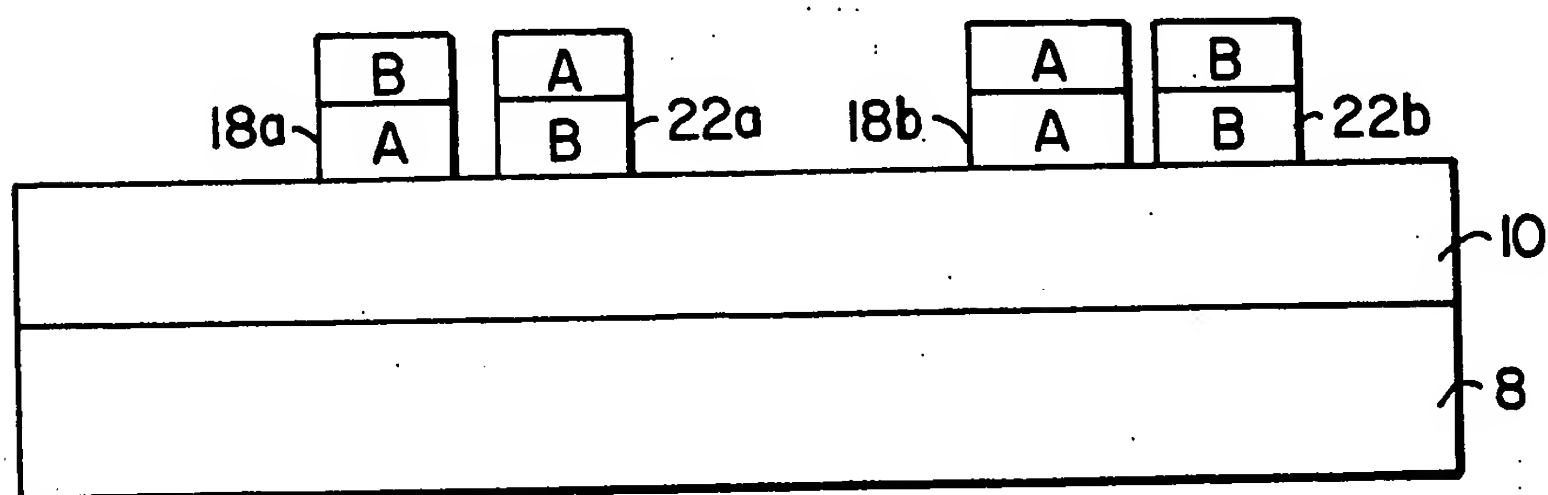


FIG. 7.

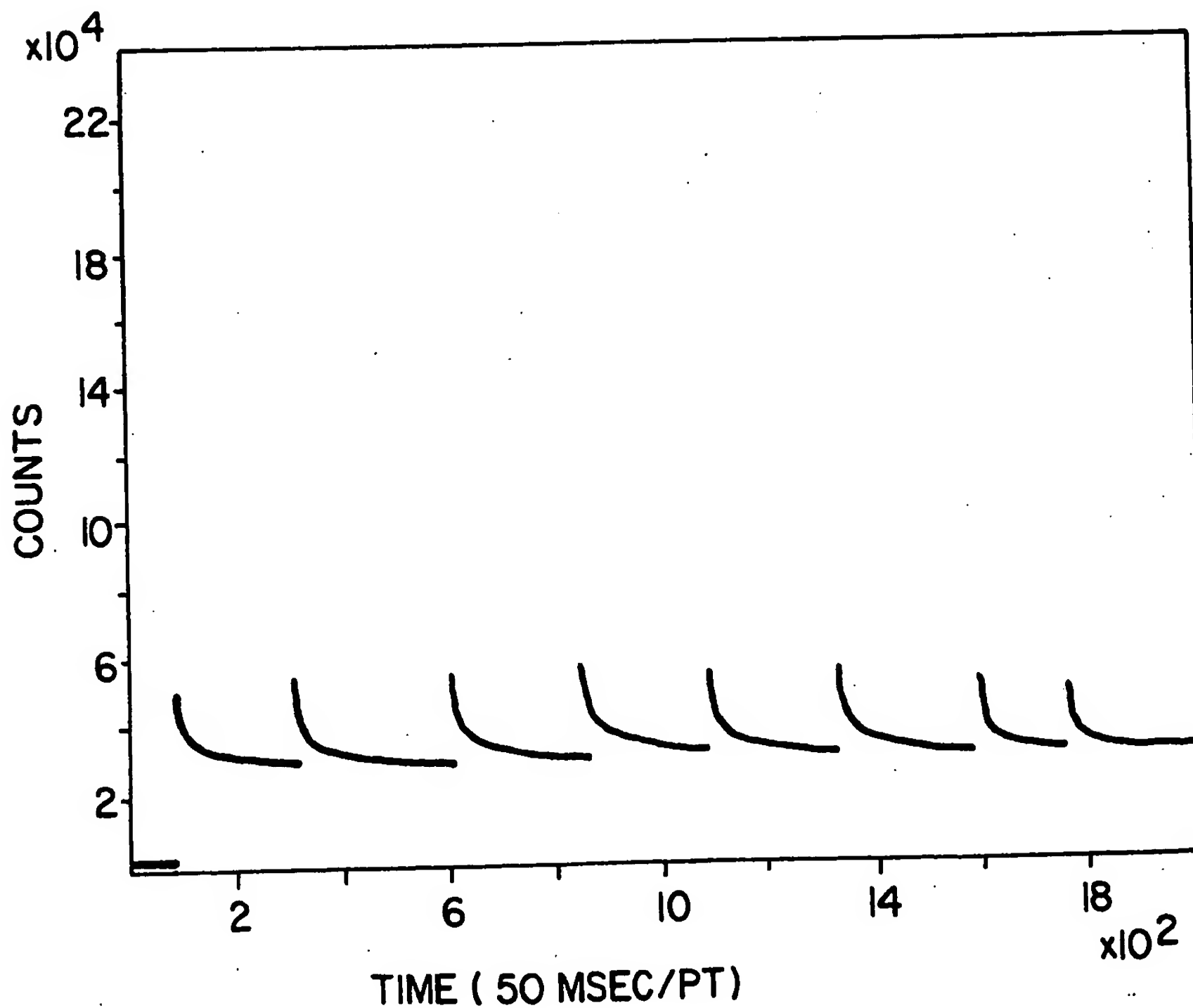


FIG. 8A.

100147-048200

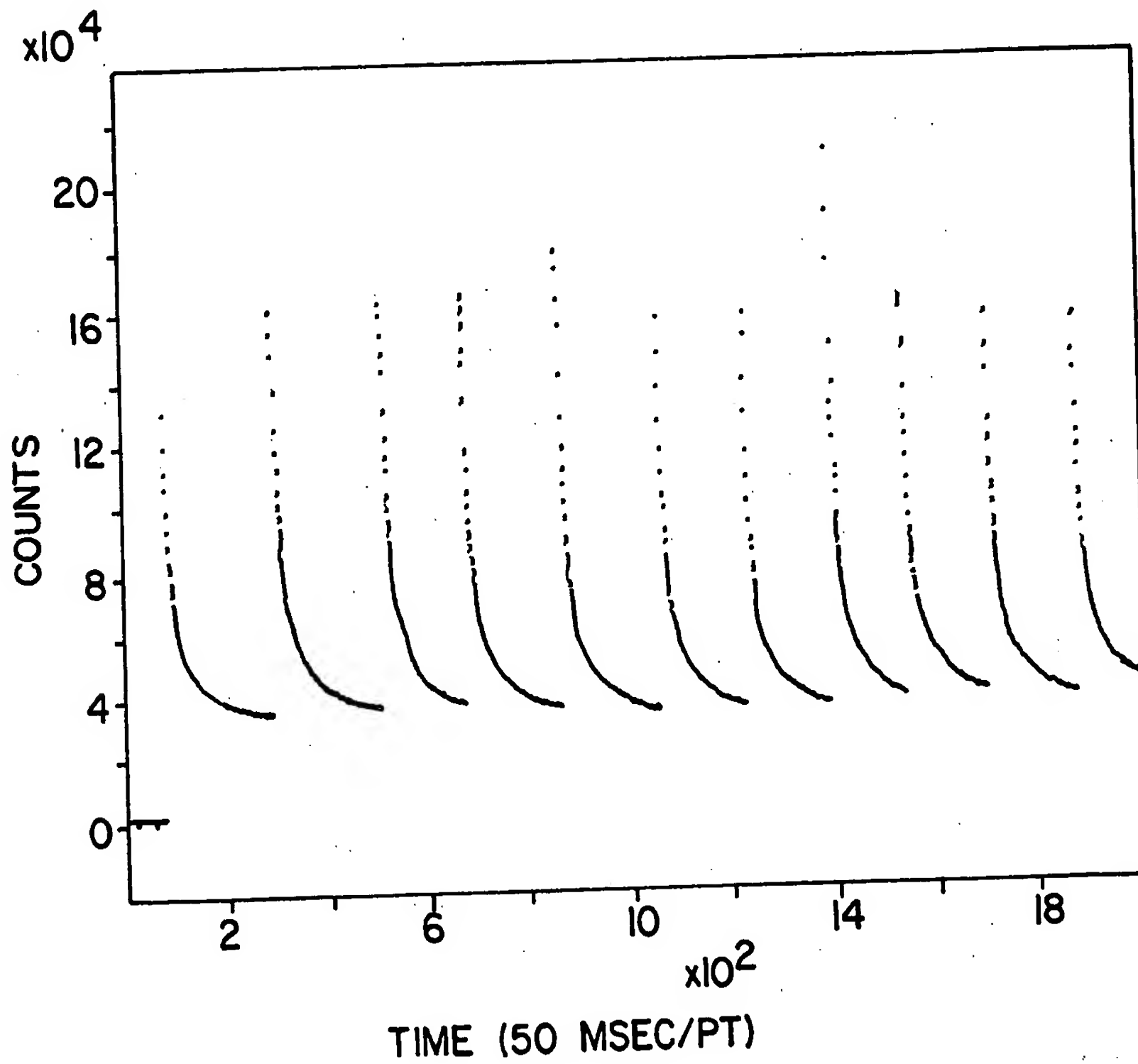
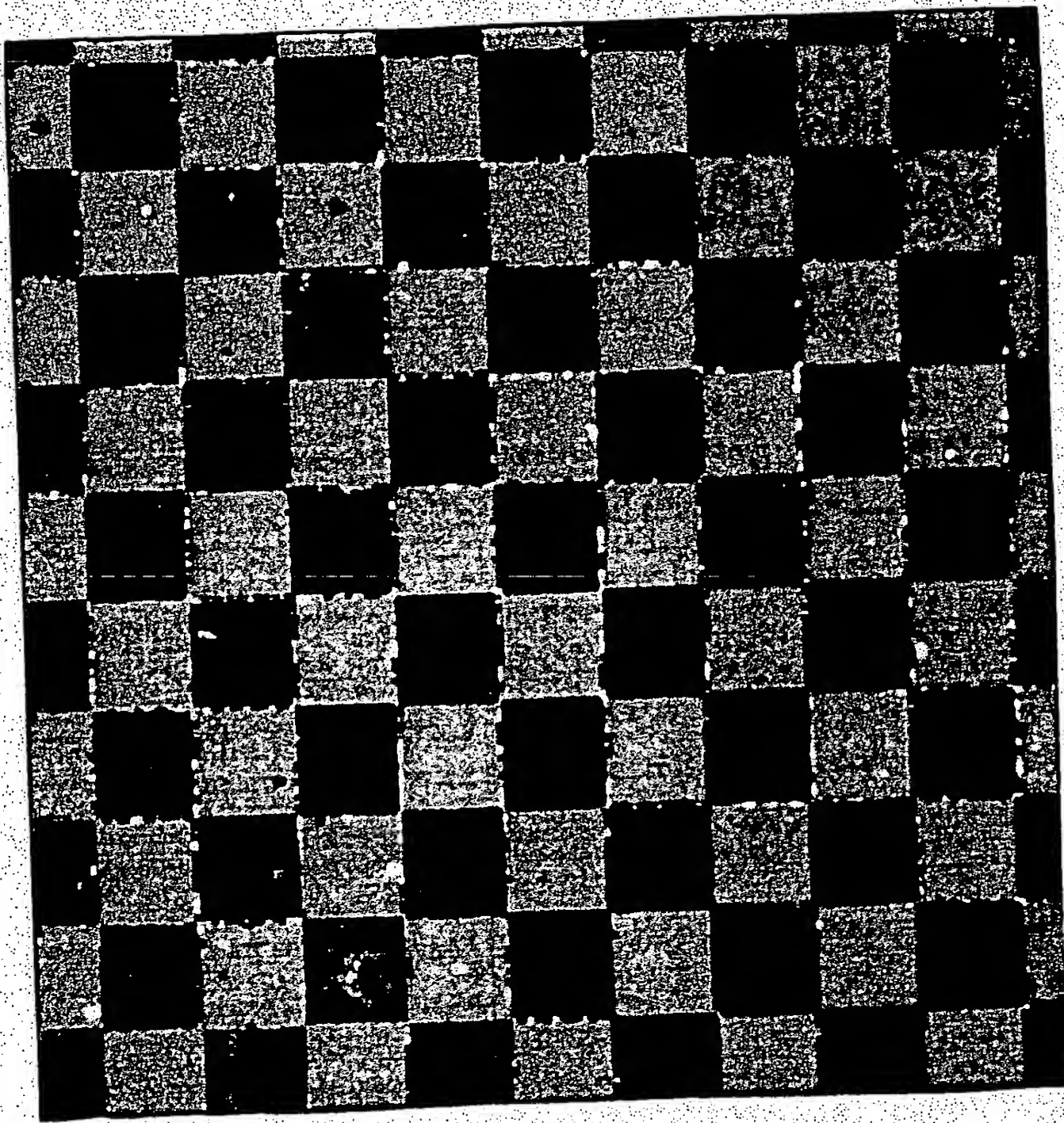


FIG. 8B.

100446.4646

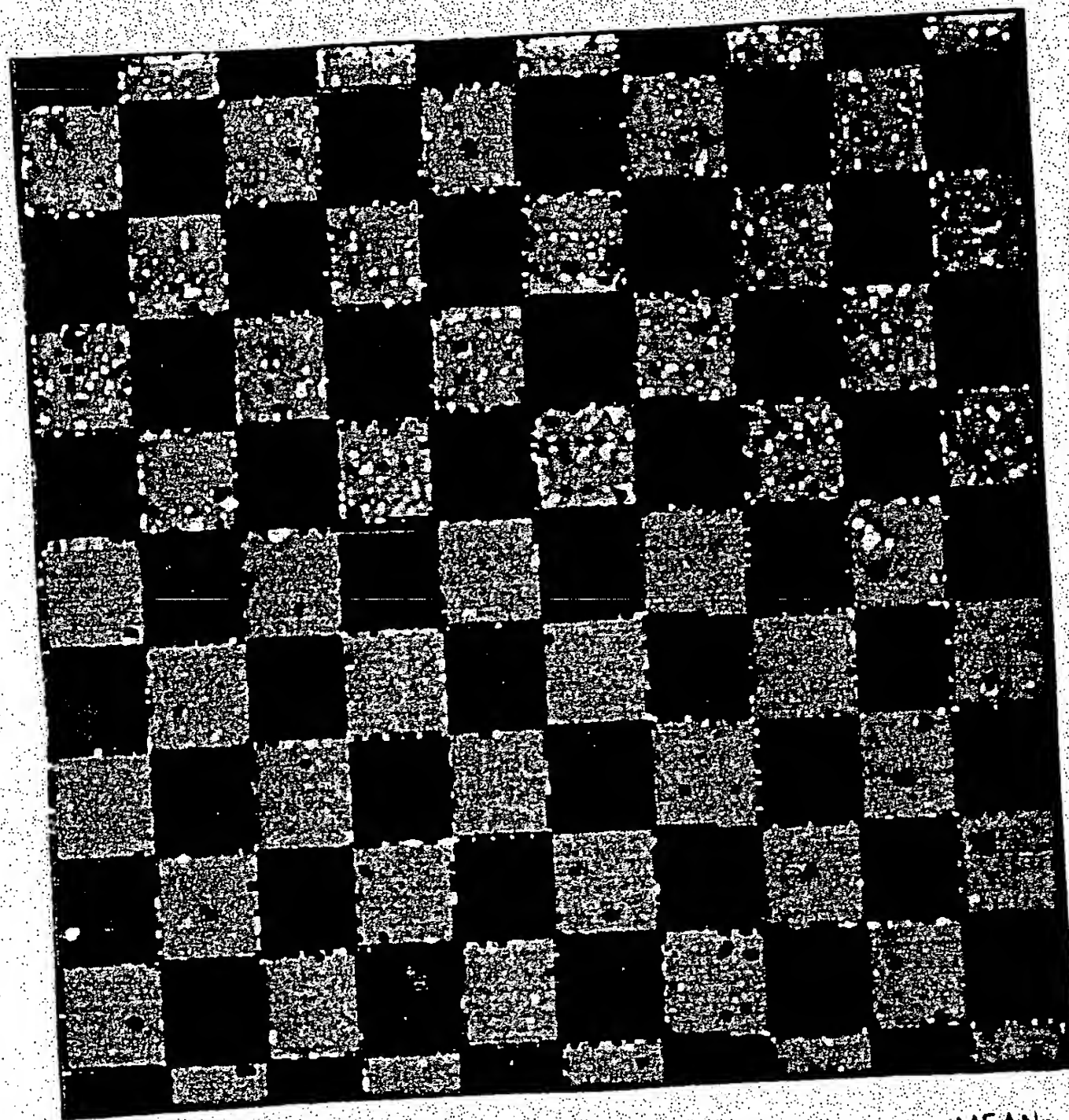


1023027
728188.3
322785.5
300672.6
285930.7
278559.7
271188.8
212221.1
197479.2
182737.3
138511.5

MEAN 285930.7
VAR 2.173242E+10
 σ 147419.2

FIG._9A.

FIG. 9B

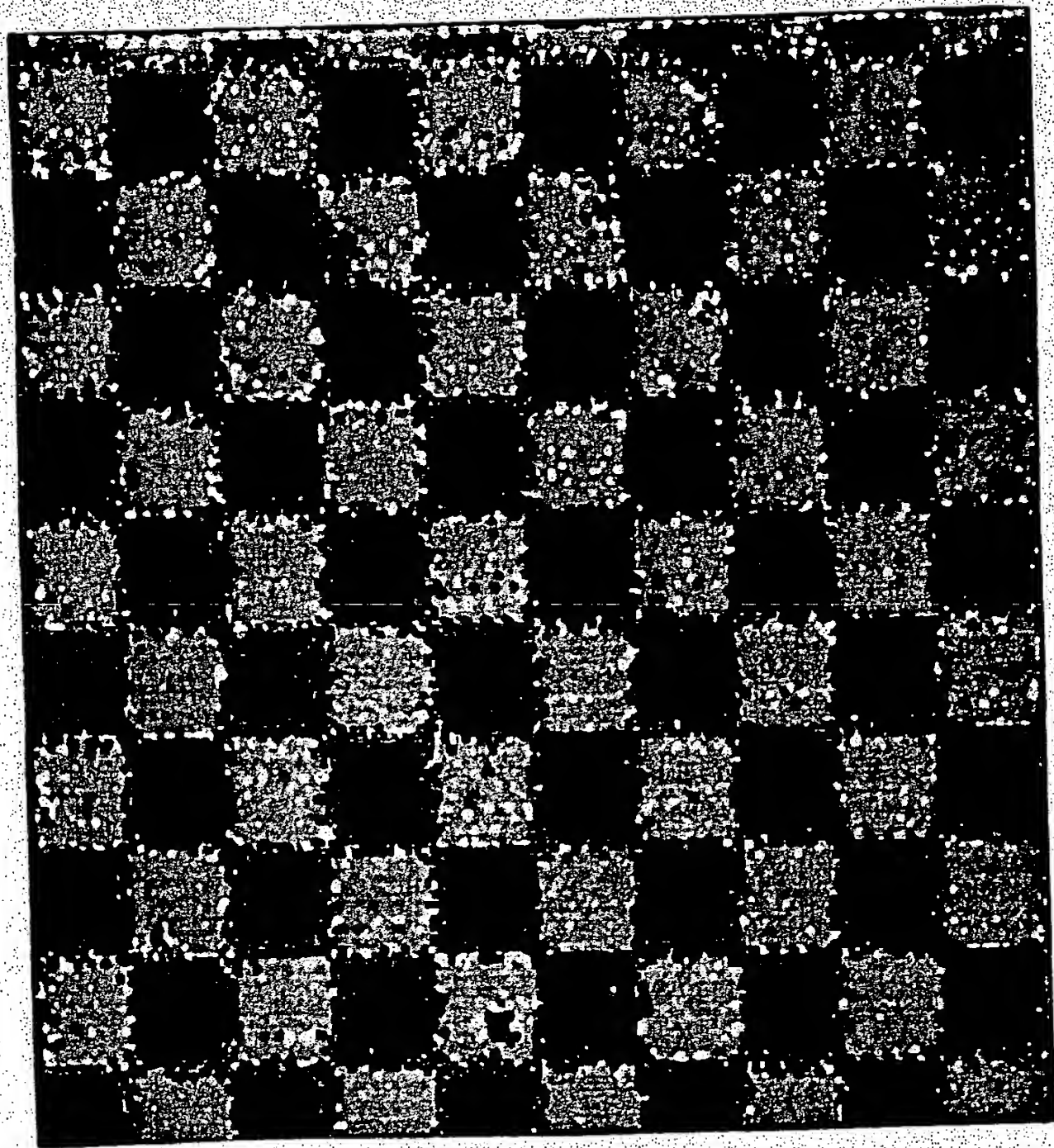


617735.3
417730.7
142724.2
127723.9
117723.6
112723.5
107723.4
67722.45
57722.21
47721.98
17721.27

MEAN 117723.6
VAR 1.000047E+10
 σ 100002.3

FIG. 9B.

FIG. 9C

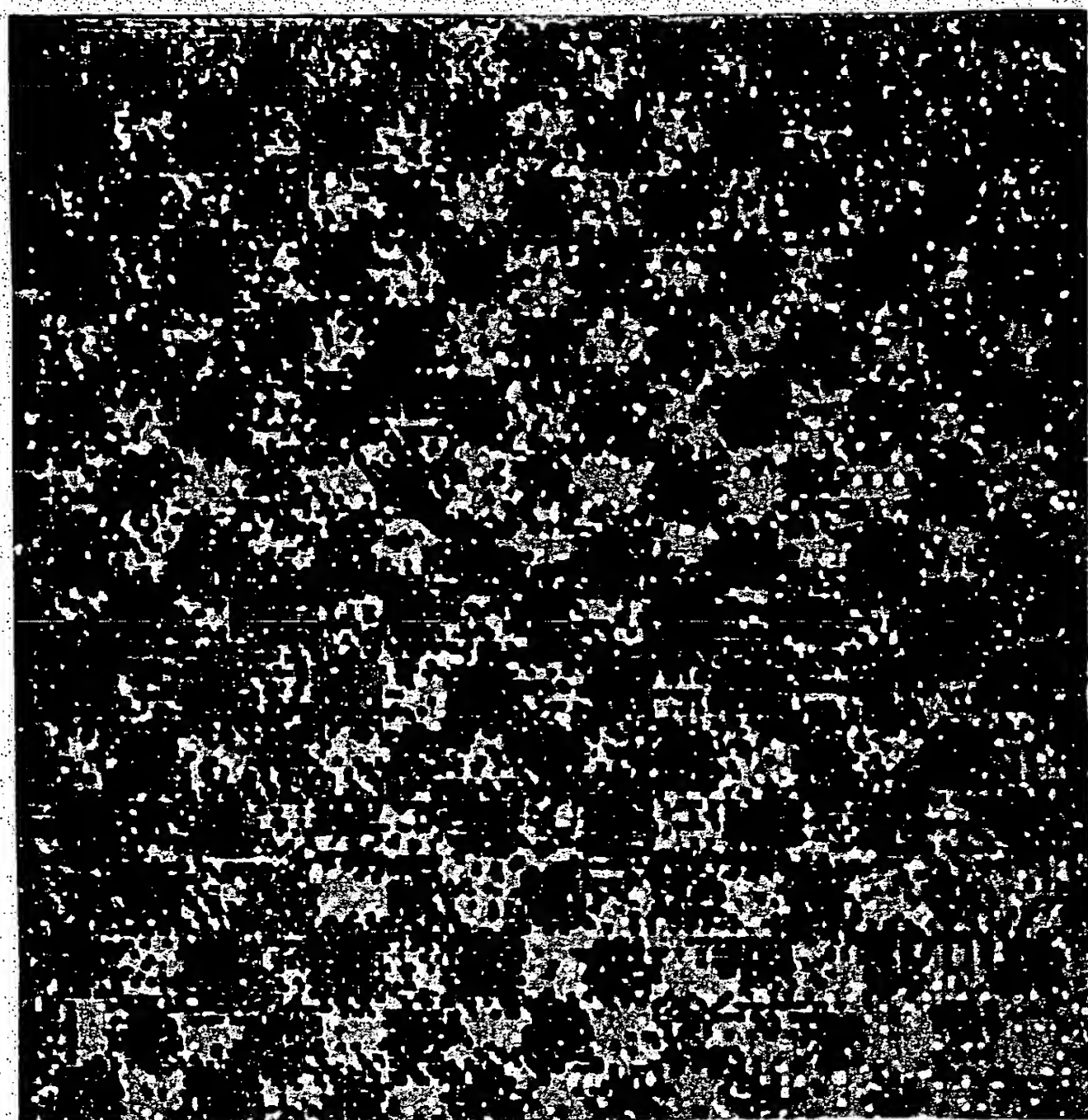


552484.3
373317.4
126963
113525.5
104567.2
100000
95608.83
59775.46
50017.12
41858.78
14983.75

MEAN 104567.2
VAR 8.025189E+09
 σ 89583.42

FIG. 9C.

1004436 JES404



495246

335766.3

116481.9

104520.9

96546.92

92559.93

88572.94

56677.02

48703.04

40729.06

16807.12

MEAN 96546.92
VAR 6.358437E+09
 σ 79739.8

FIG. 9D.

FIG. 10

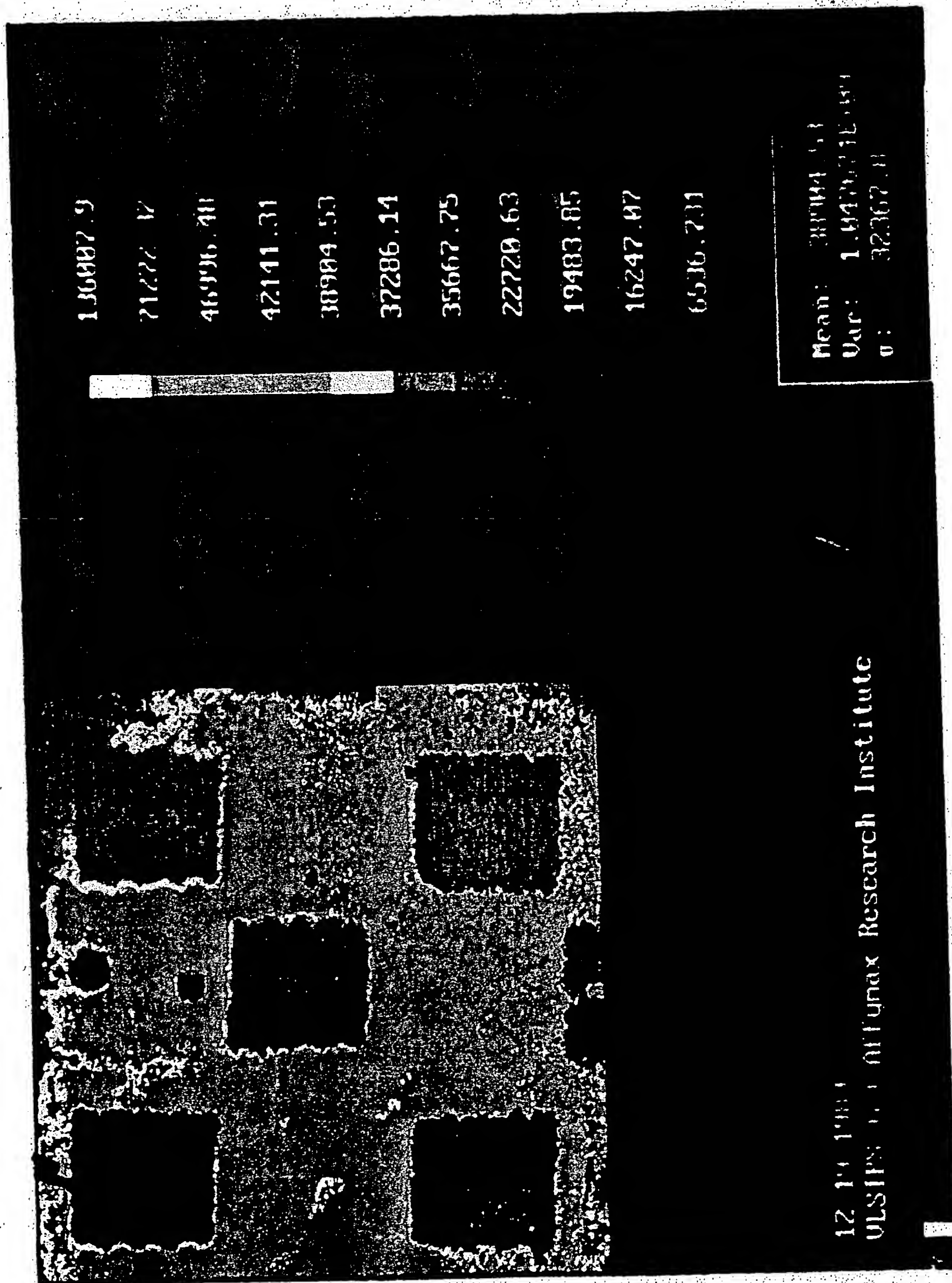


FIG. 10.

100147-048200US

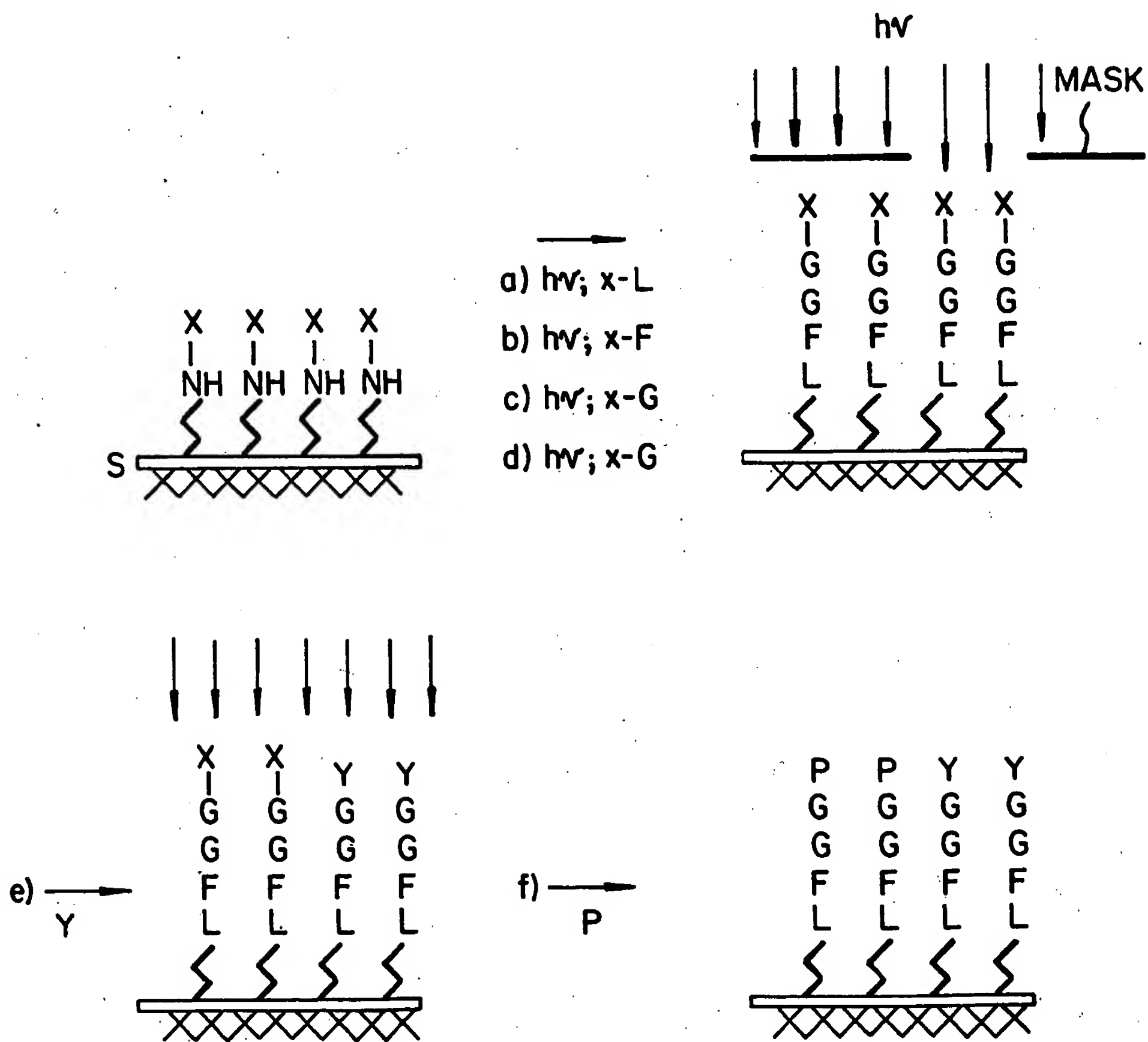
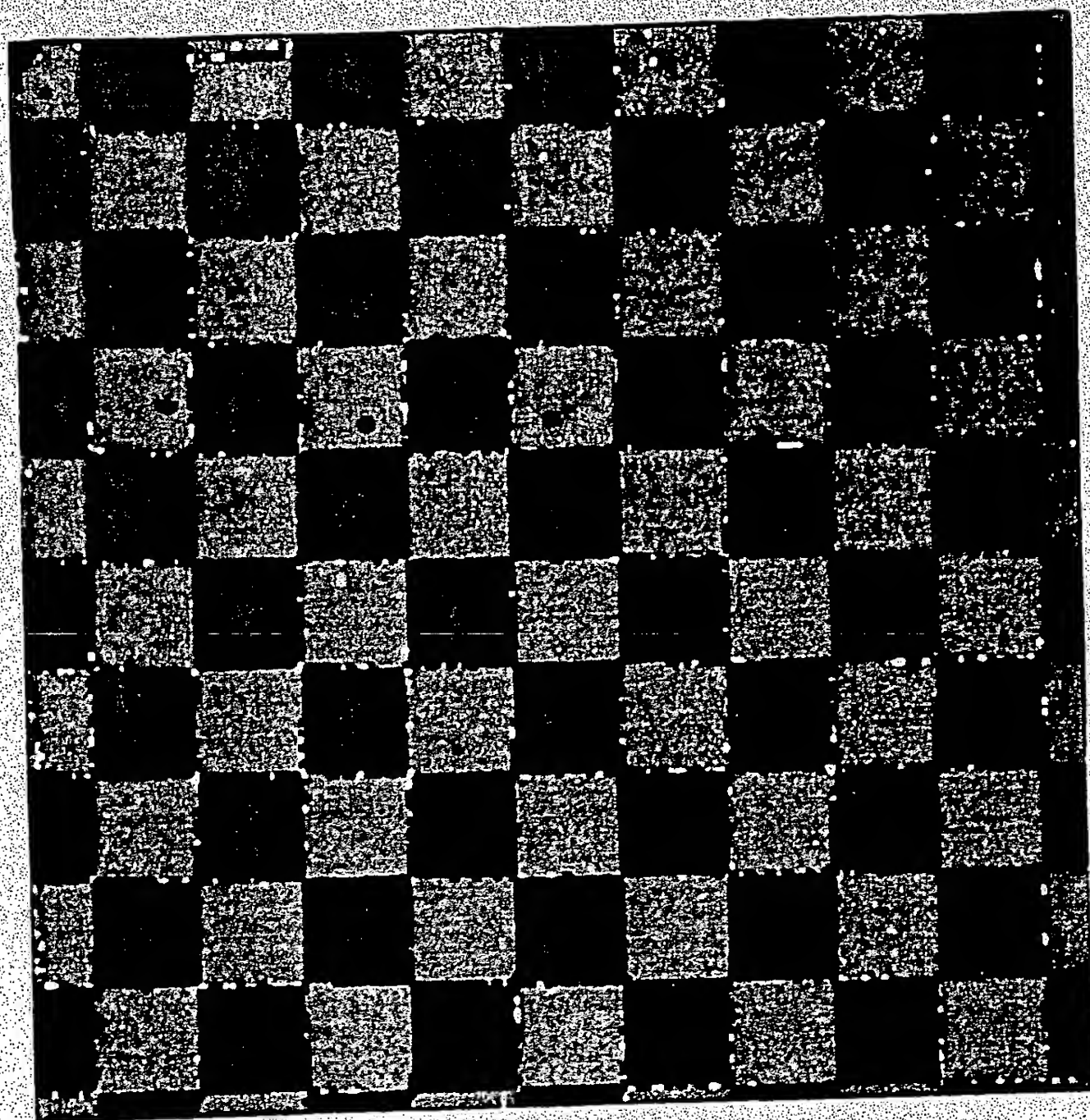


FIG. II.

FIG. 12



636588

4285838

1425779

1269775

1165773

1113772

1061771

6457625

5417603

4377582

1257518

MEAN: 116577.3
VAR: 1.081645E+10
 σ : 104002.1

FIG. 12.

10044716-13401

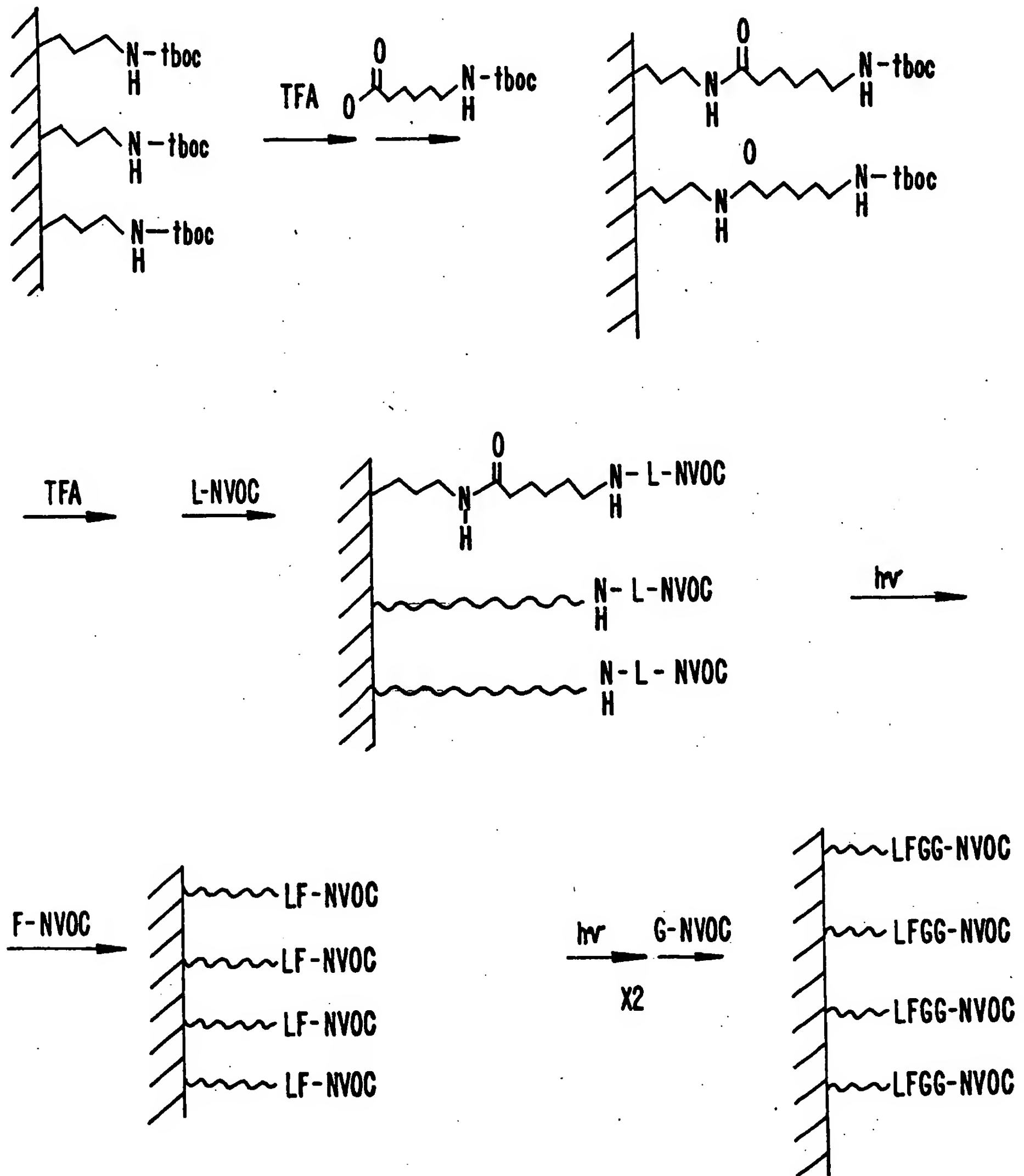


FIG. 13A.

10044716-123403

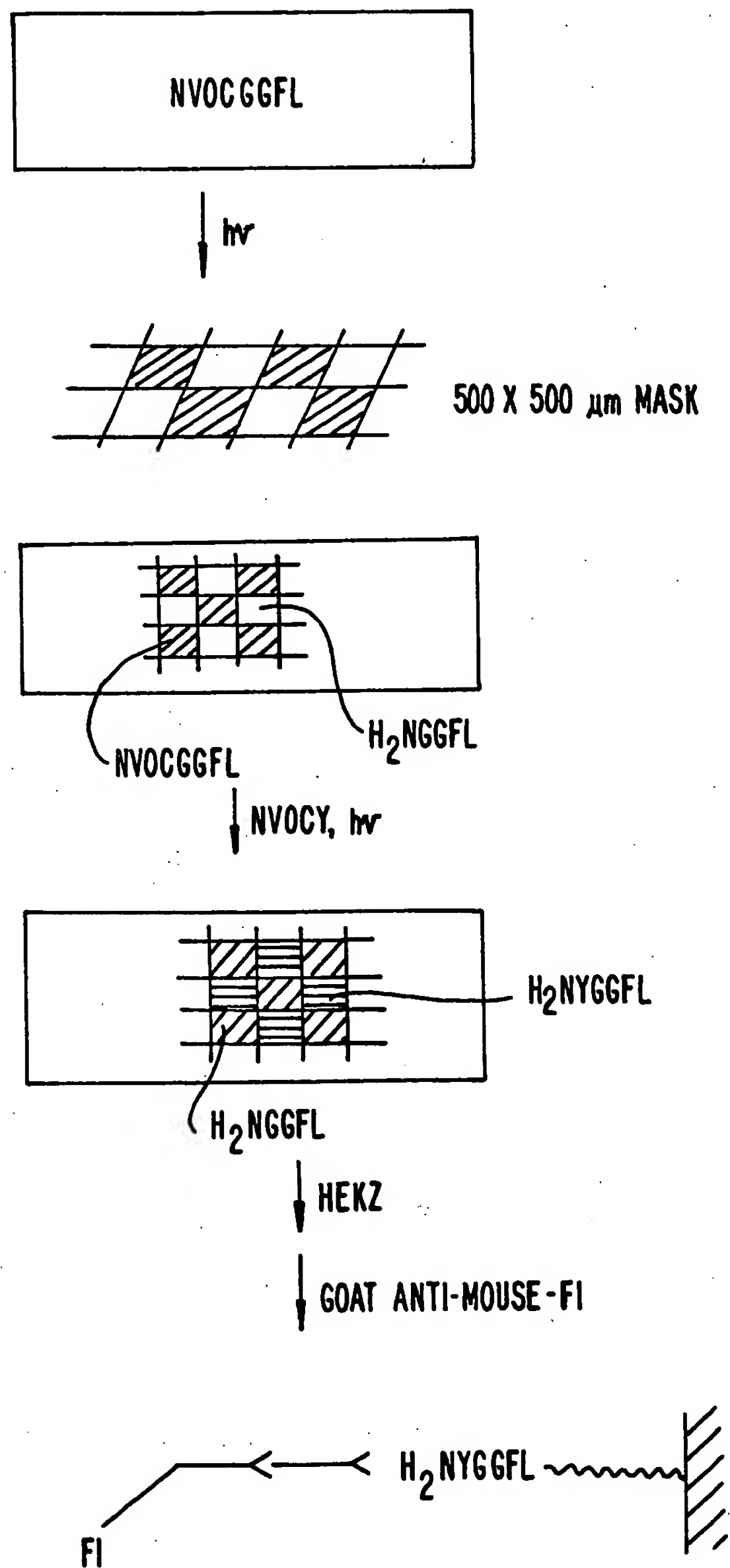
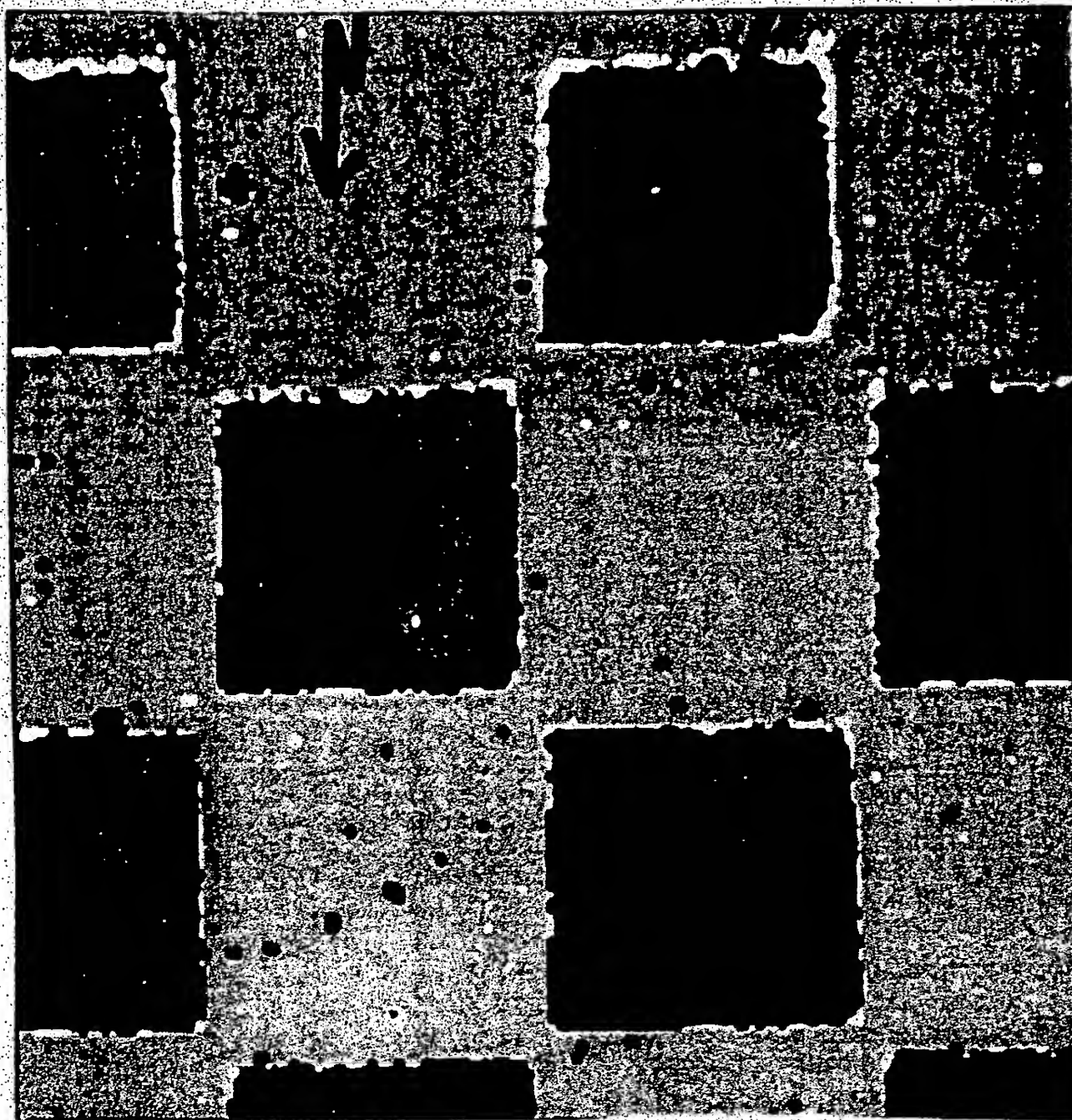


FIG. 13B.

FIG. 13C

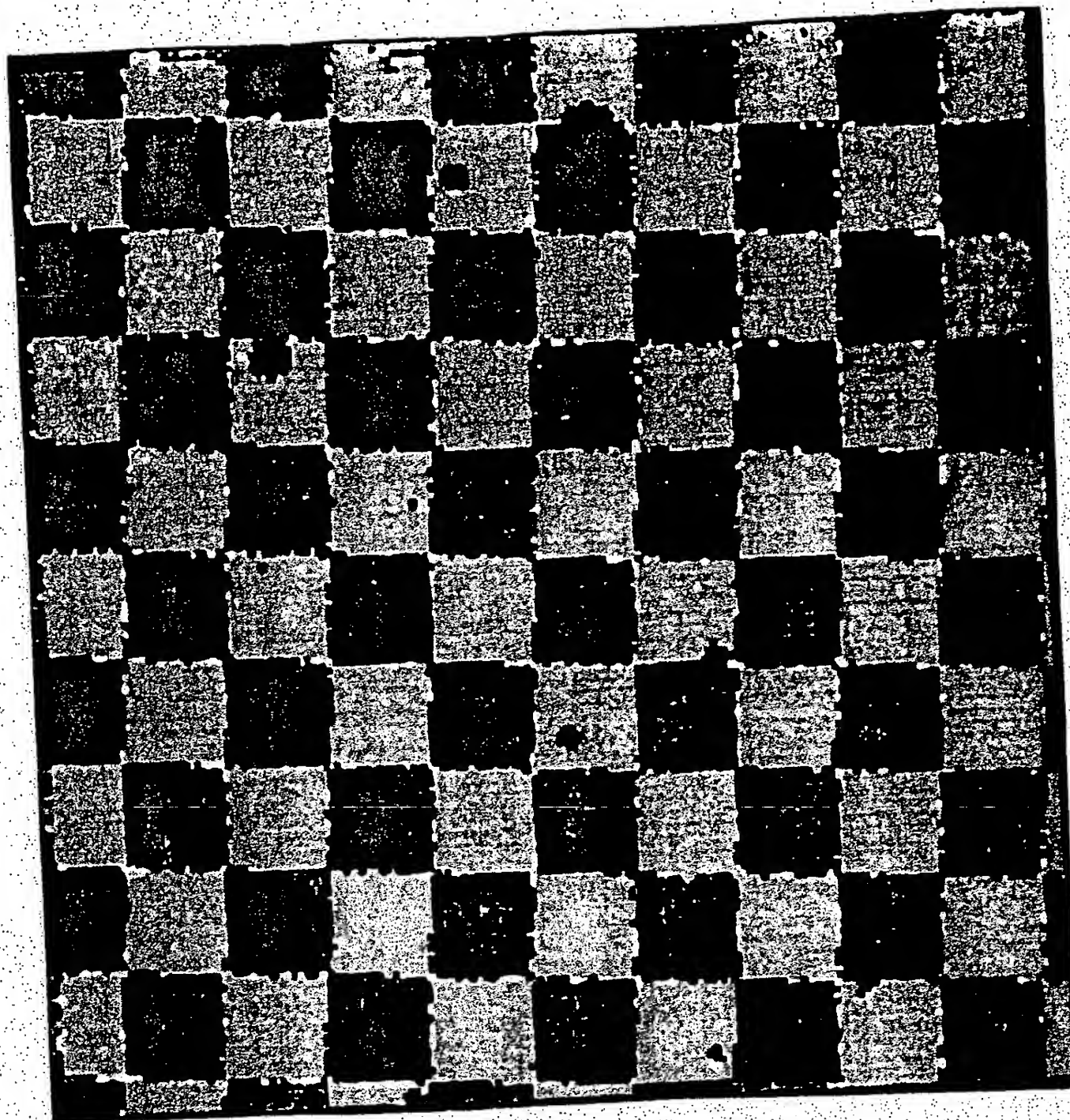


50780.26
34141.69
30813.97
28595.5
27486.26
26377.02
17503.12
11956.92
6410.734
-15774.03
37958.79

MEAN 28595.5
VAR 4.921637E+08
 σ 22184.76

FIG. 13C.

100446.134094

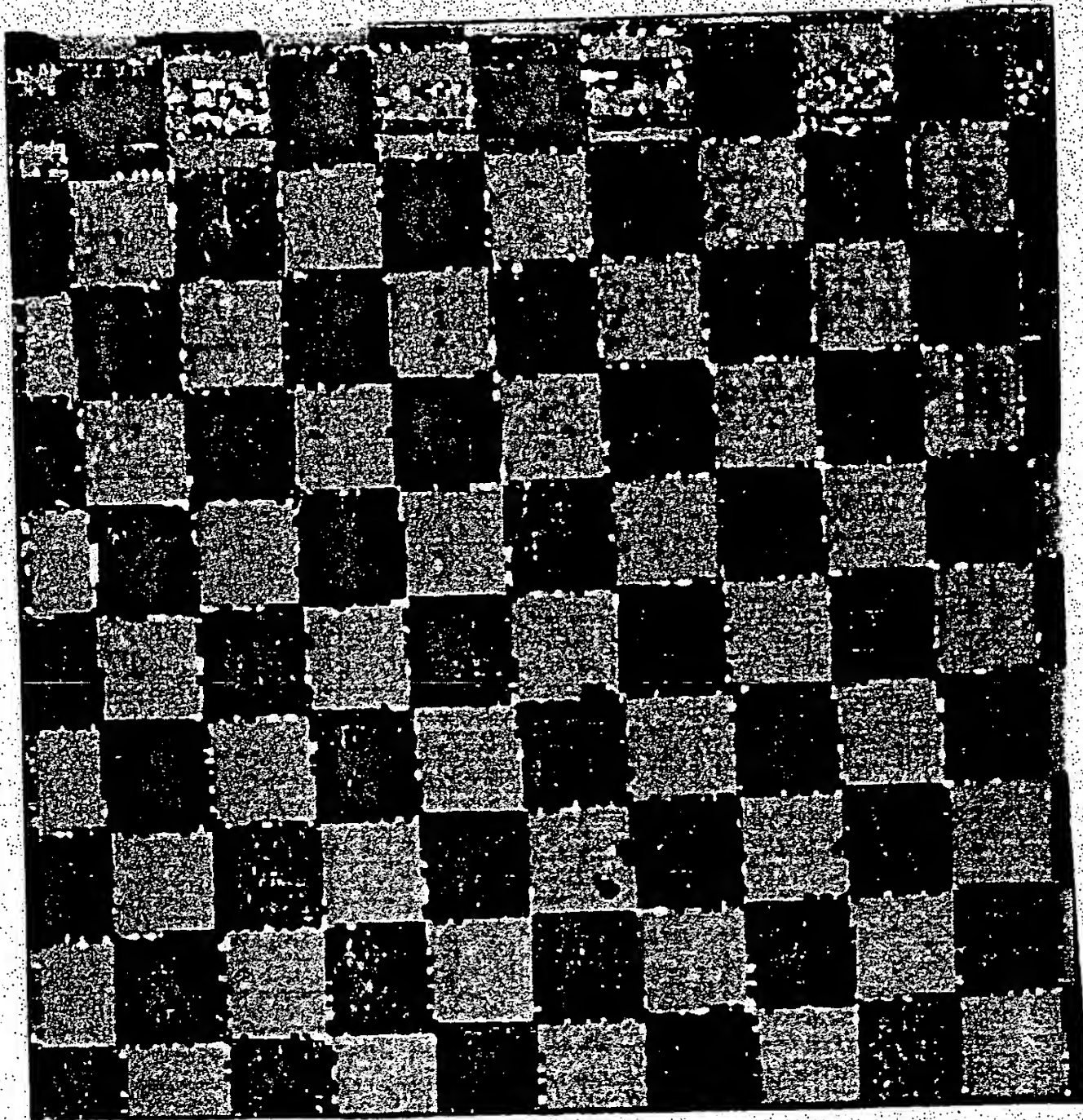


879976.1
600504.3
216230.6
195270.2
181296.6
174309.8
167323
111428.7
97455.07
83481.48
41560.72

MEAN: 181296.6
VAR: 1.952612E+10
 σ 139735.9

FIG. 13D.

10044613401



667348.3
453053
158397
142324.9
131610.1
126252.7
120895.3
78036.29
67321.52
56606.77
24462.47

MEAN: 131610.1
VAR: 1.148062E+10
 σ 107147.6

FIG. 14.

P	A	S	G	
<u>L</u> PGFL	<u>L</u> AGFL	<u>L</u> SGFL	<u>L</u> GGFL	L
<u>F</u> PGFL	<u>F</u> AGFL	<u>F</u> SGFL	<u>F</u> GGFL	F
<u>W</u> PGFL	<u>W</u> AGFL	<u>W</u> SGFL	<u>W</u> GGFL	W
<u>Y</u> PGFL	<u>Y</u> AGFL	<u>Y</u> SGFL	<u>Y</u> GGFL	Y

L SET

FIG. 15A.

p	a	s	G	
<u>Y</u> pGFL	<u>Y</u> aGFL	<u>Y</u> sGFL	<u>Y</u> GGFL	Y
<u>f</u> pGFL	<u>f</u> aGFL	<u>f</u> sGFL	<u>f</u> GGFL	f
<u>w</u> pGFL	<u>w</u> aGFL	<u>w</u> sGFL	<u>w</u> GGFL	w
<u>y</u> pGFL	<u>y</u> aGFL	<u>y</u> sGFL	<u>y</u> GGFL	y

D SET

FIG. 15B.

100446-100446

1004464404

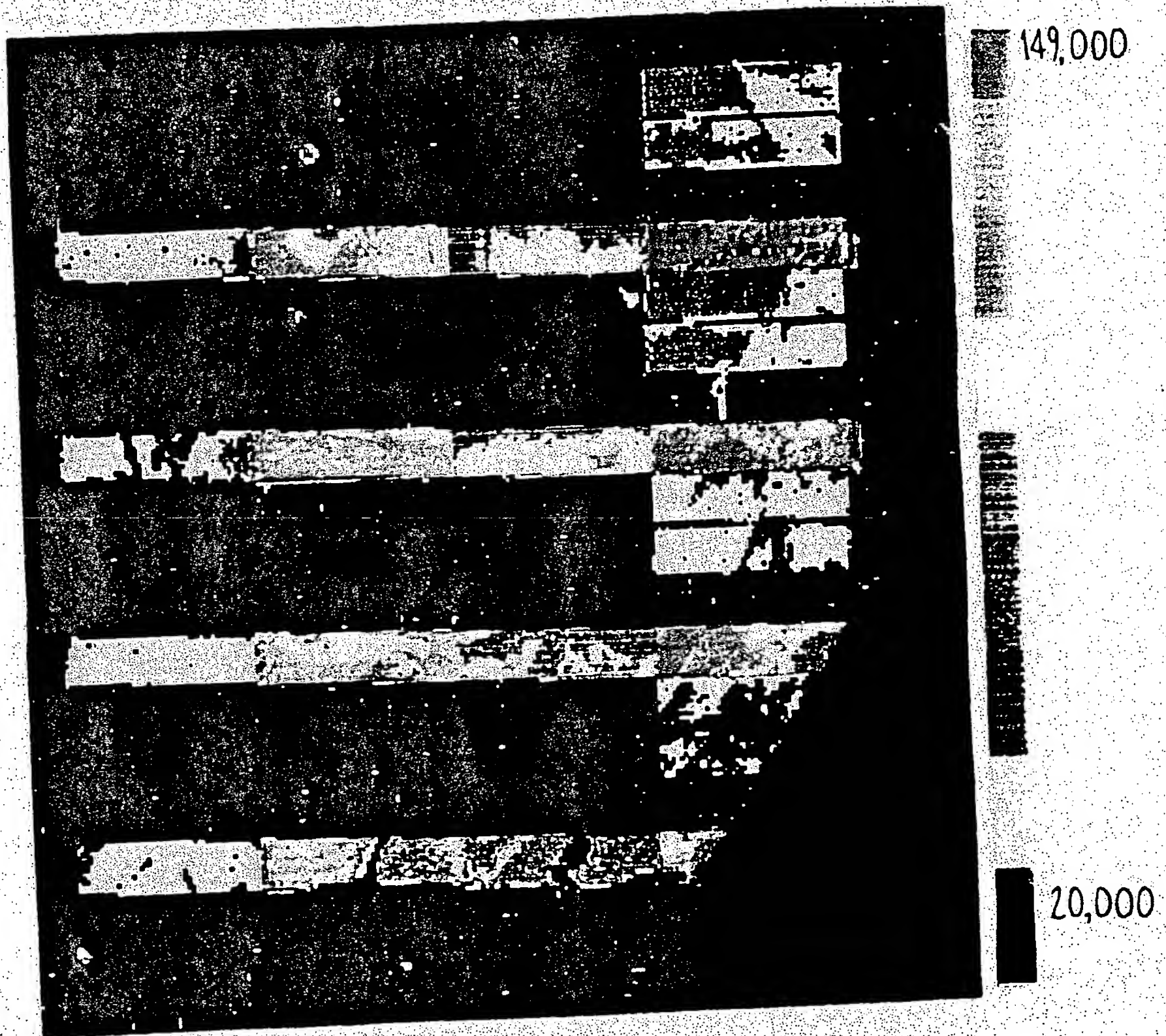


FIG. 16.

FIG. 17

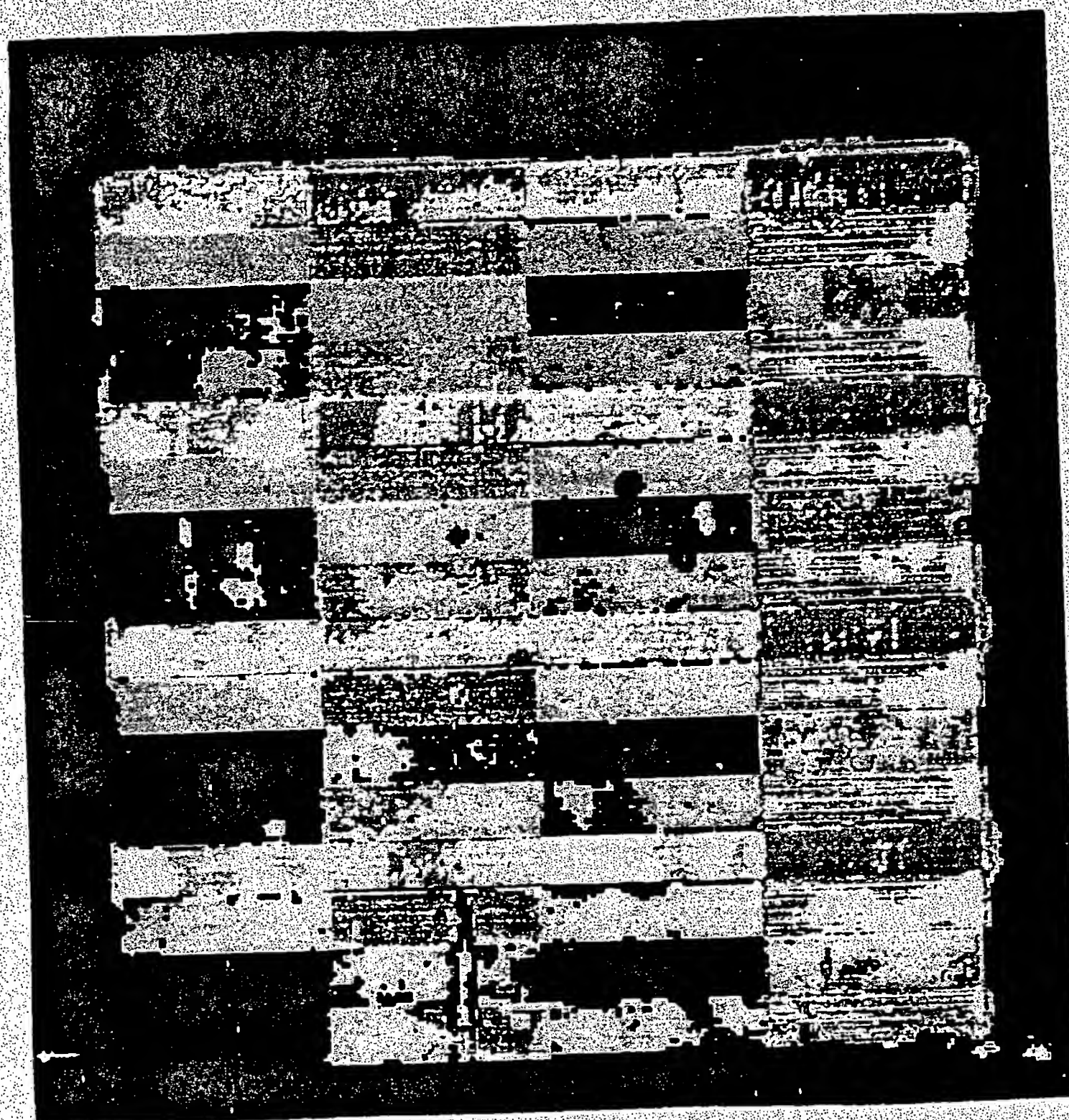


FIG. 17.

FIG. 18

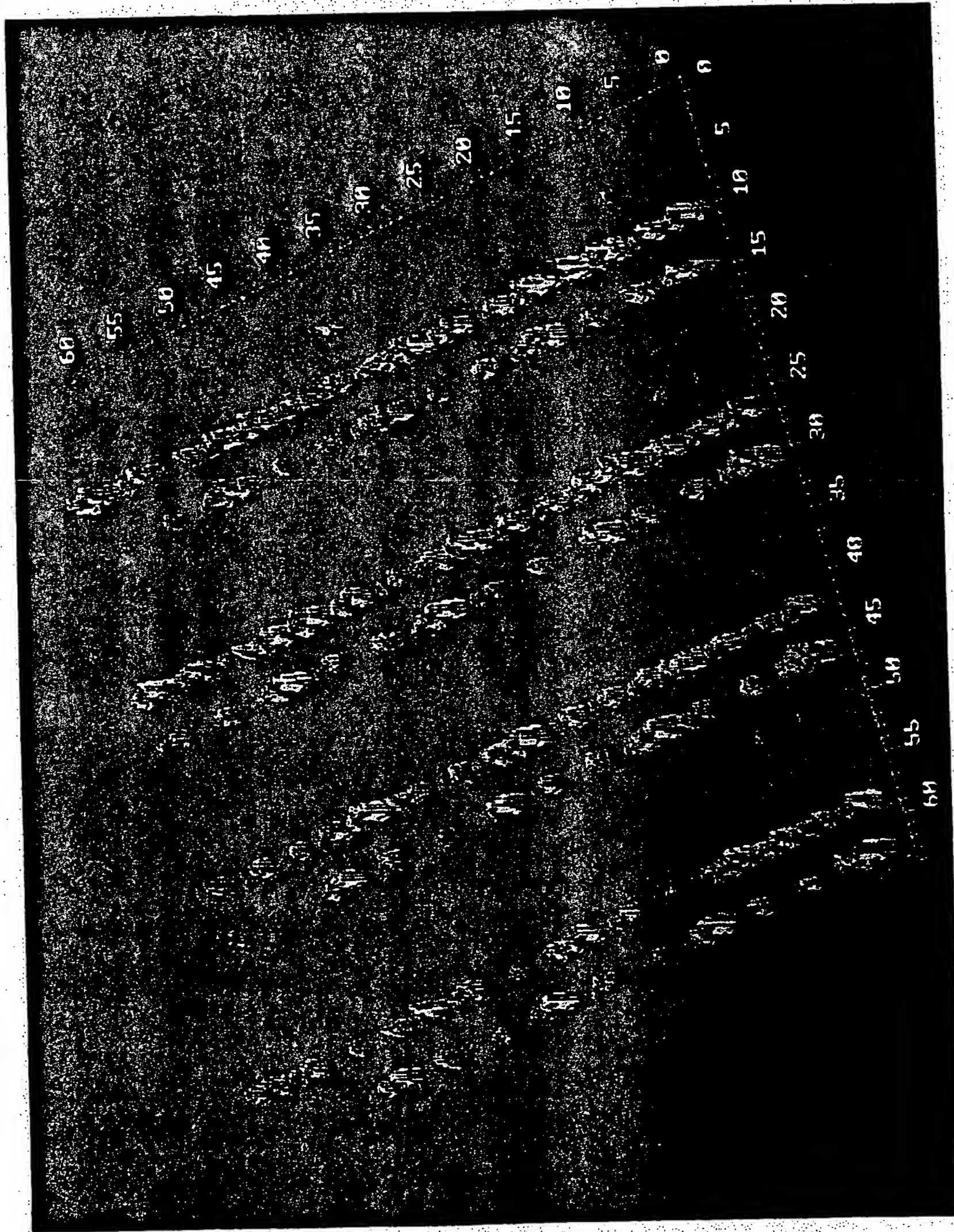


FIG. 18.

FIG. 19

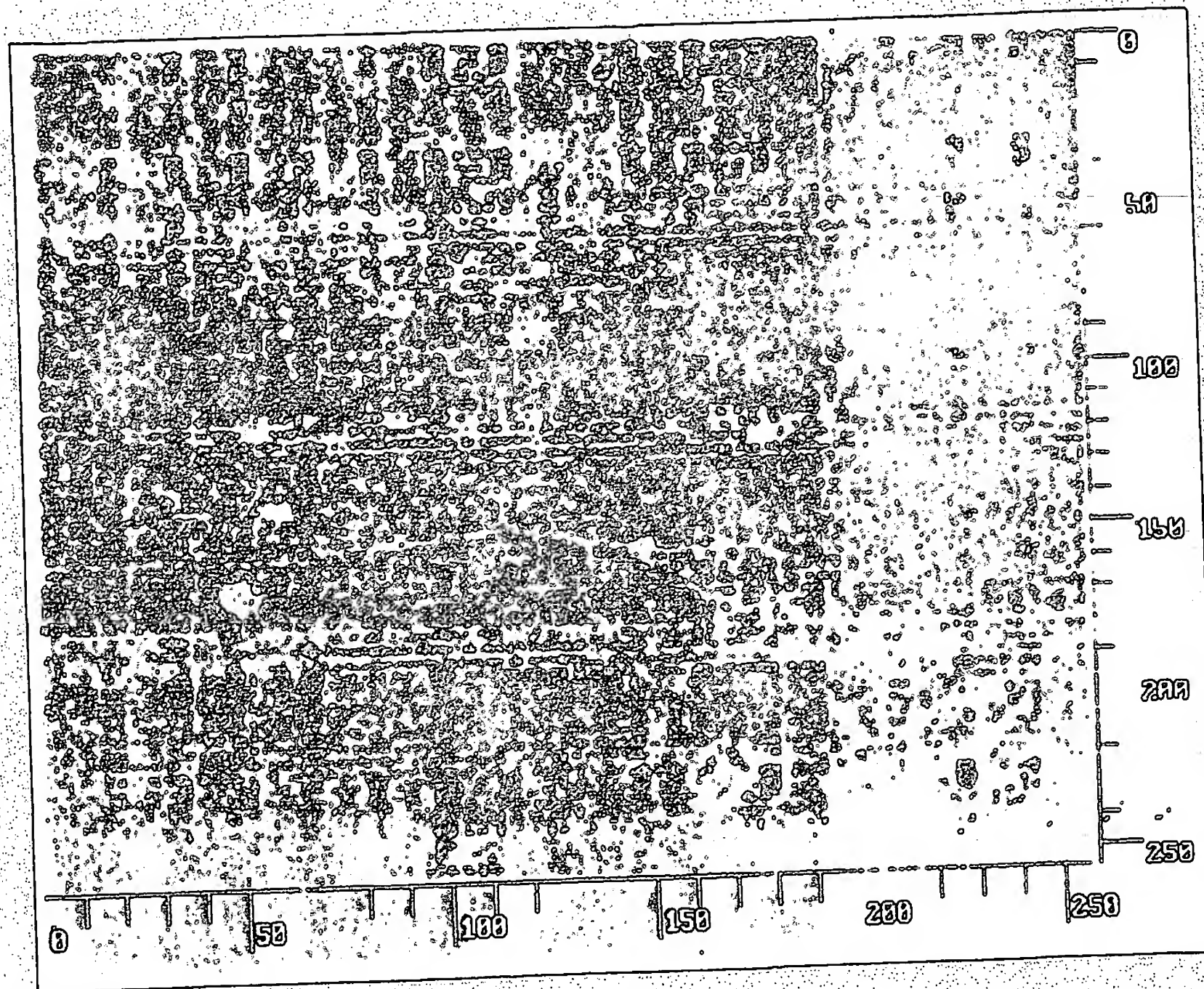


FIG. 19.

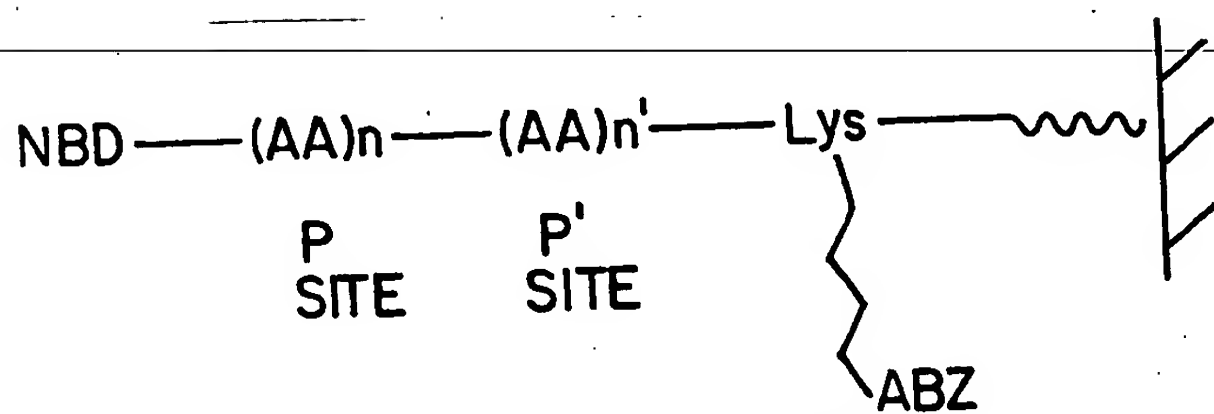


FIG. 20A.

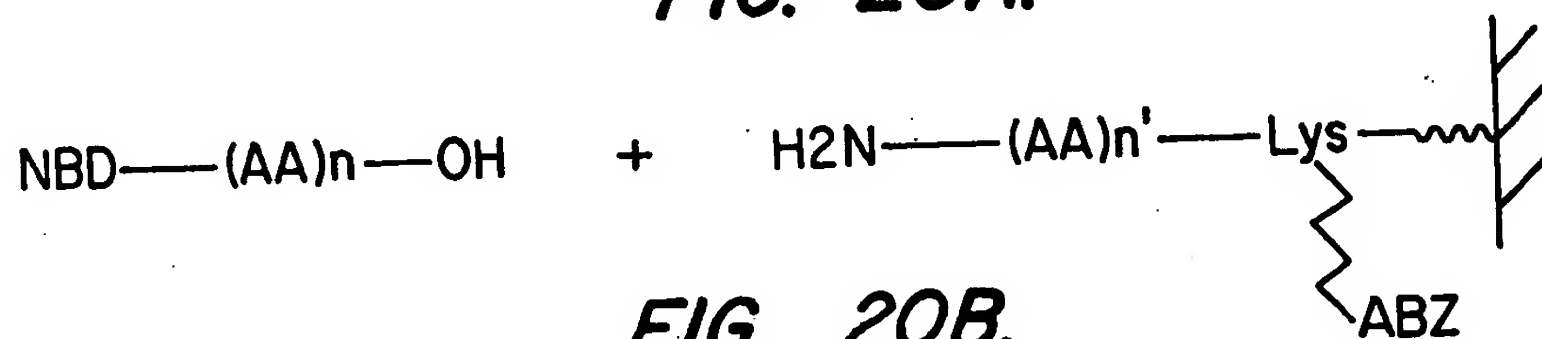


FIG. 20B.

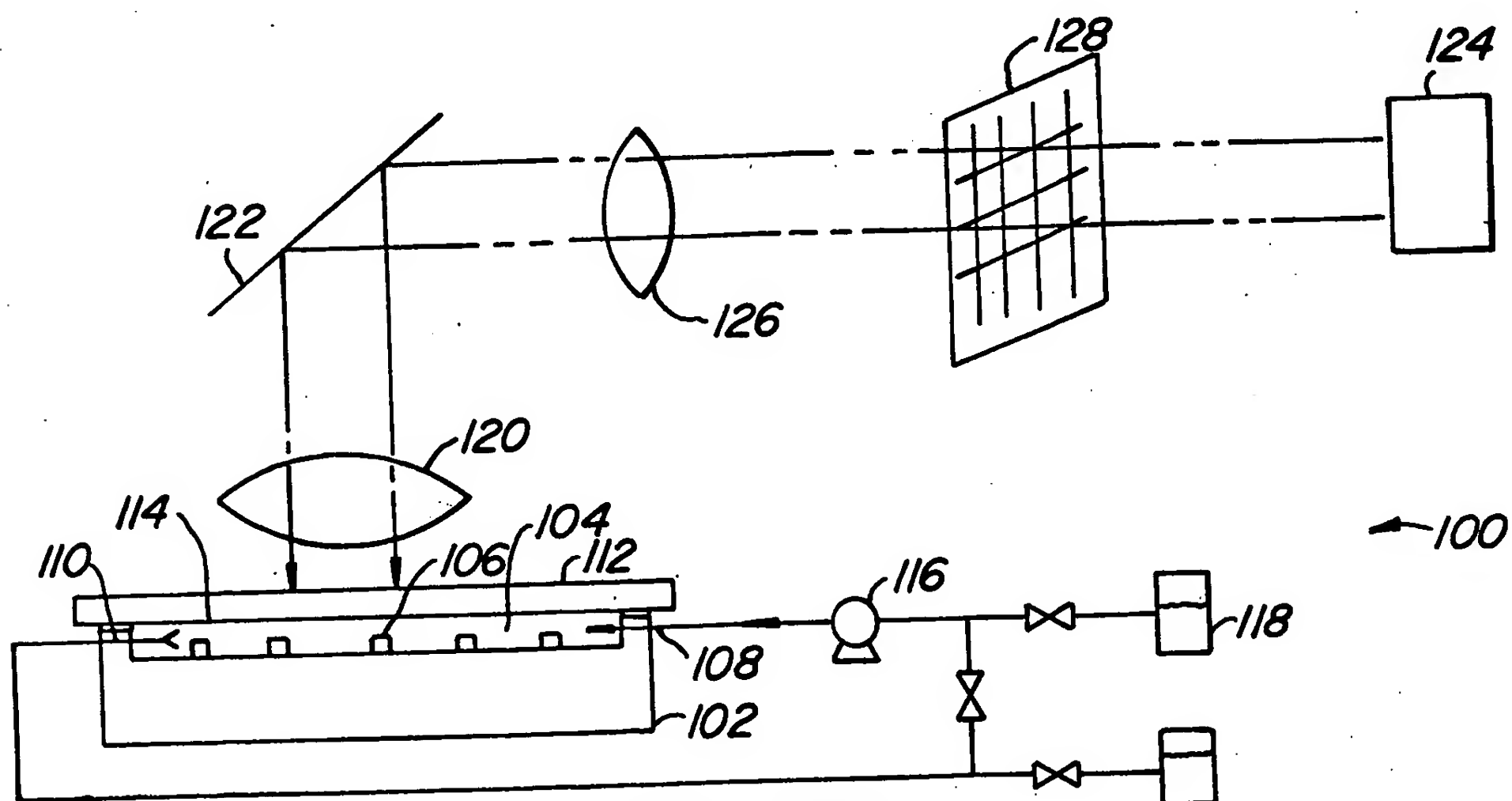


FIG. 22A.

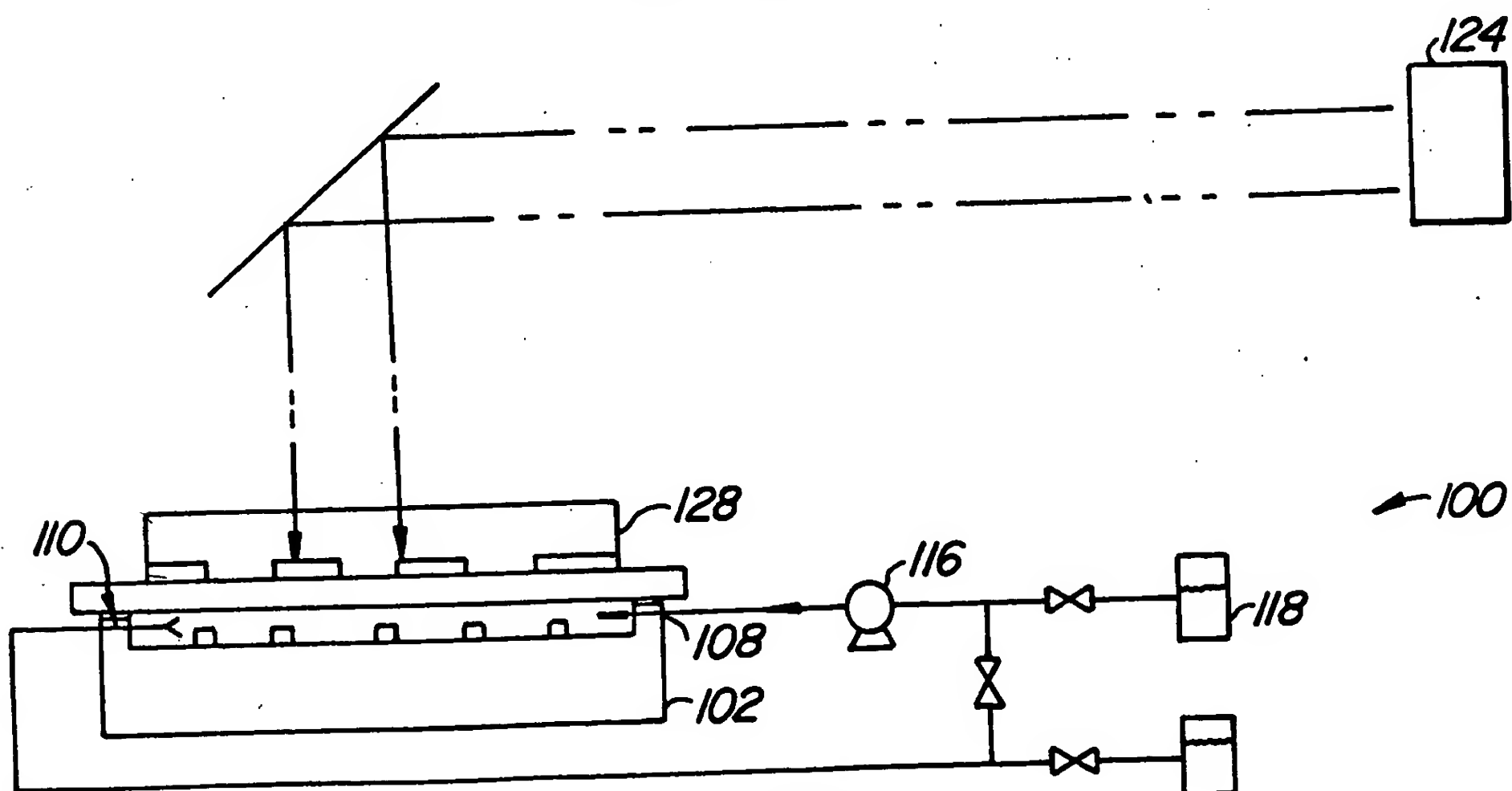


FIG. 22B.

FIG. 21A

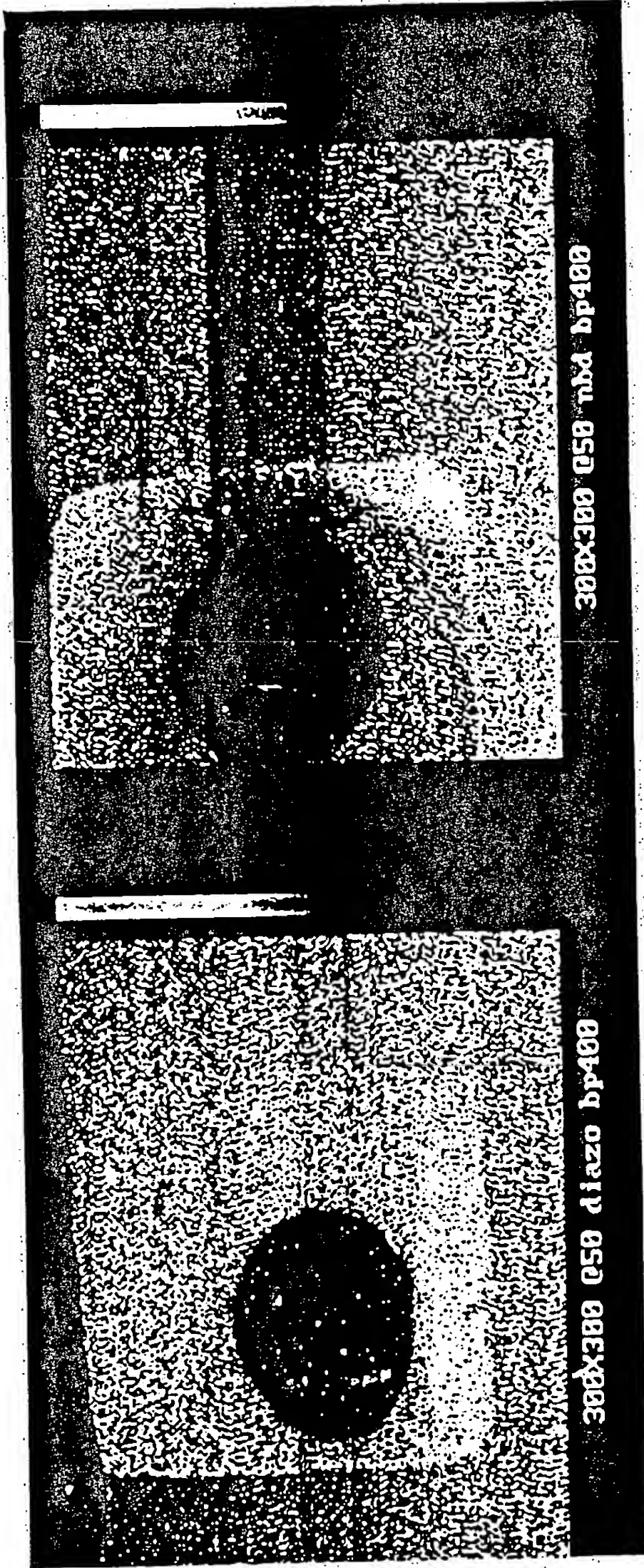


FIG. 21A.

FIG. 21B.

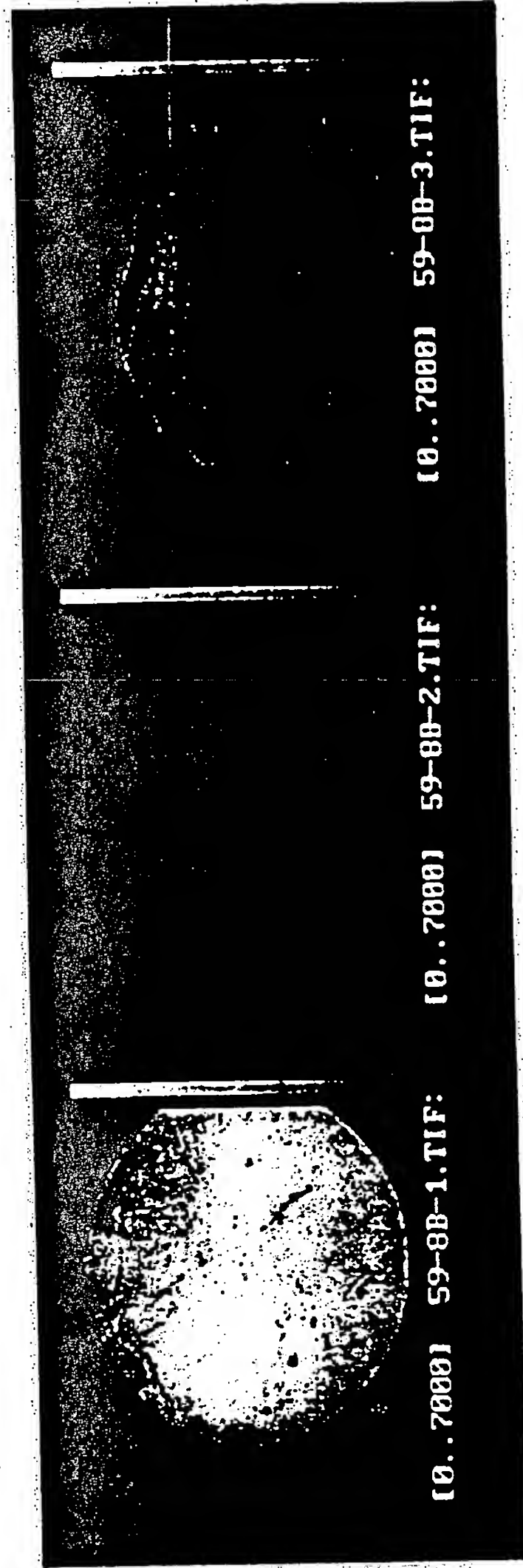


FIG. 39A.

FIG. 39B.

FIG. 39C.

10044316-1004401

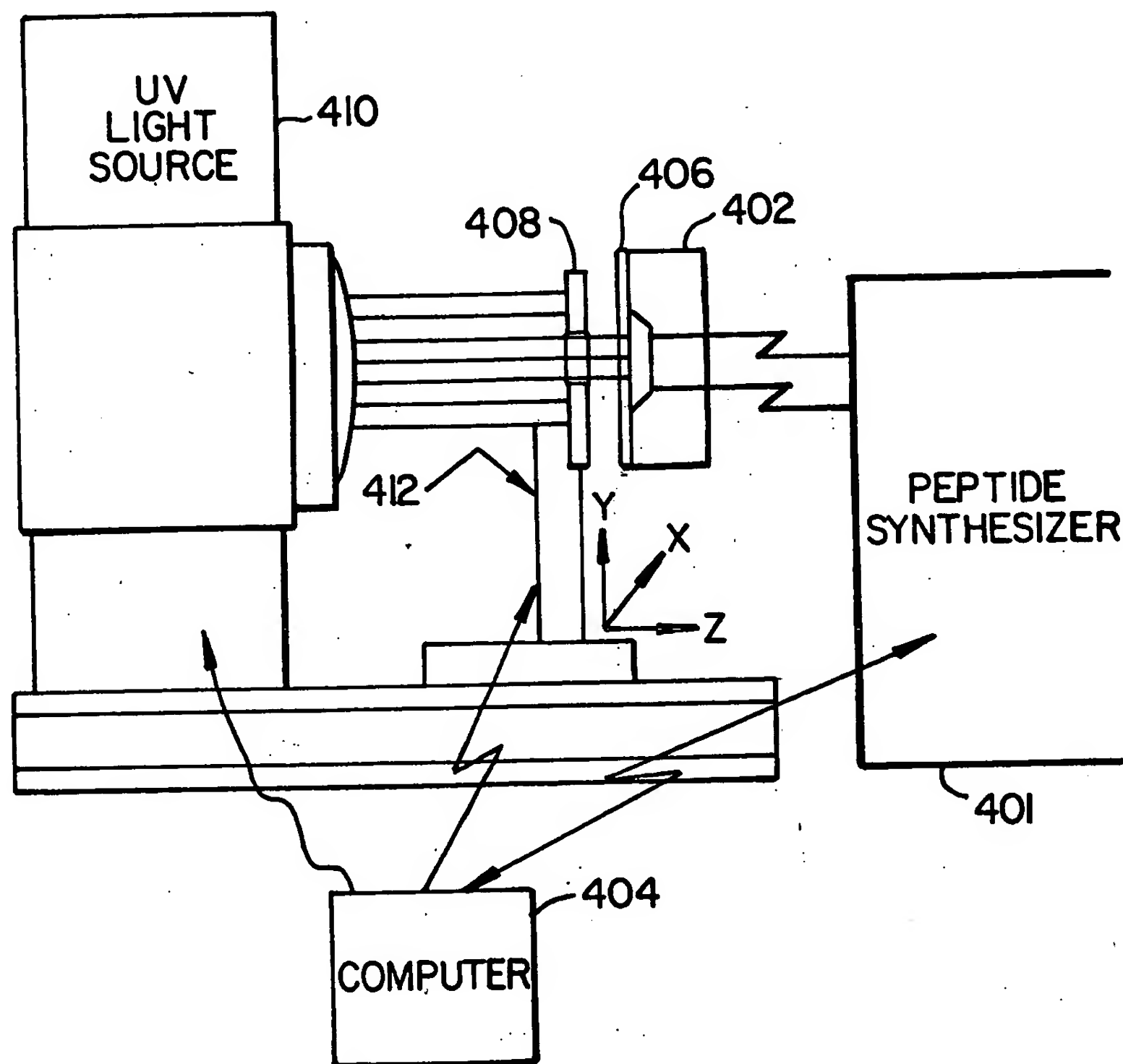


FIG. 23.

FIG. 24A

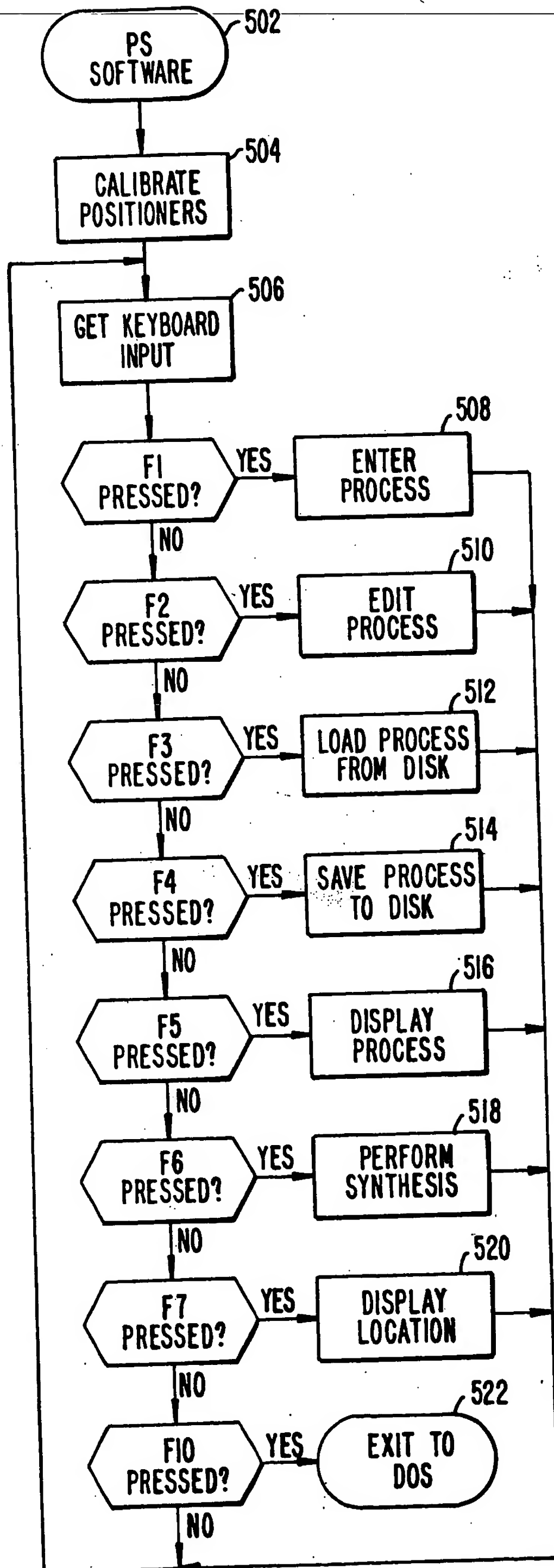


FIG. 24A.

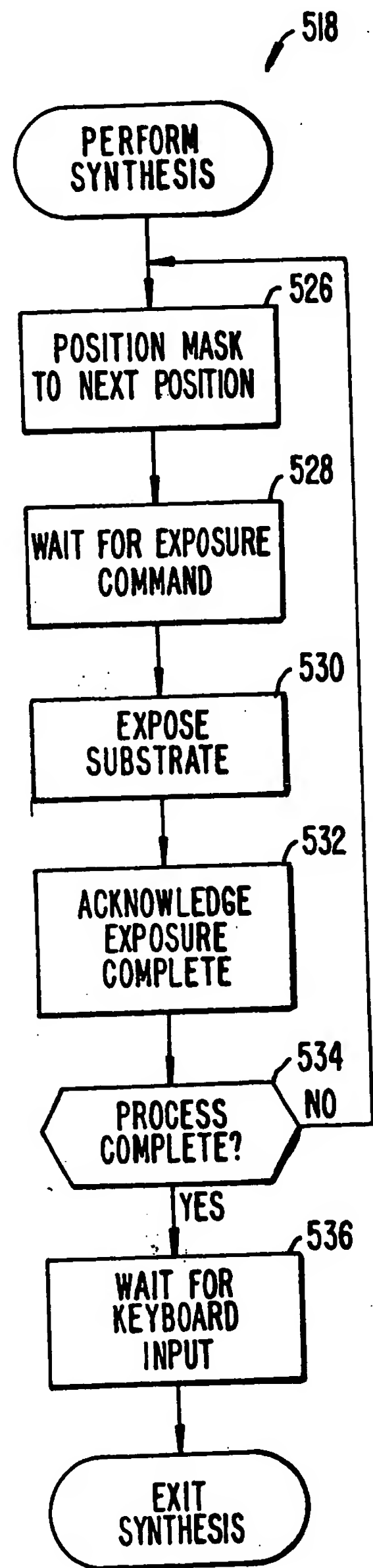


FIG. 24B.

10014716-101401

FIG. 25.

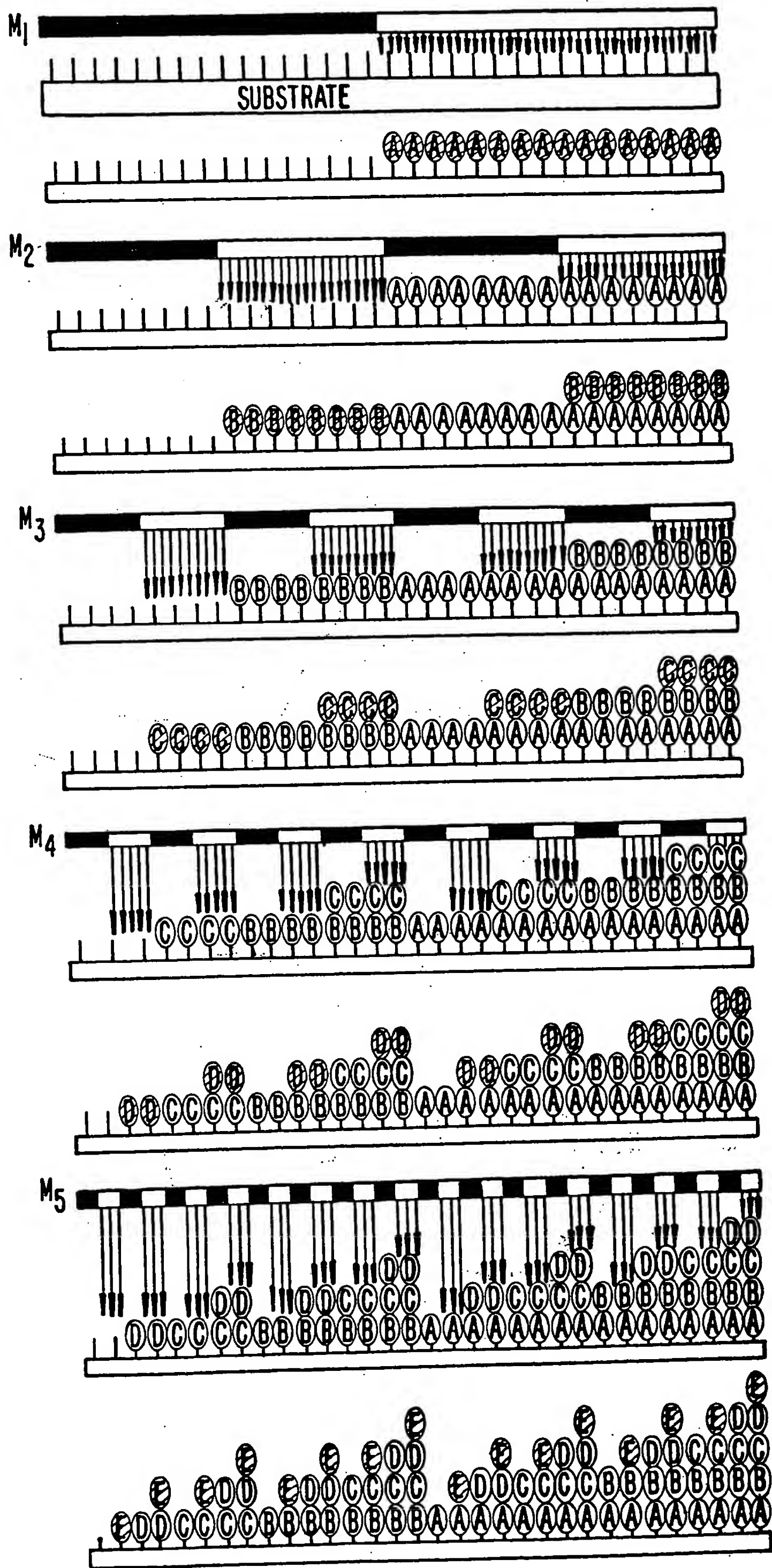
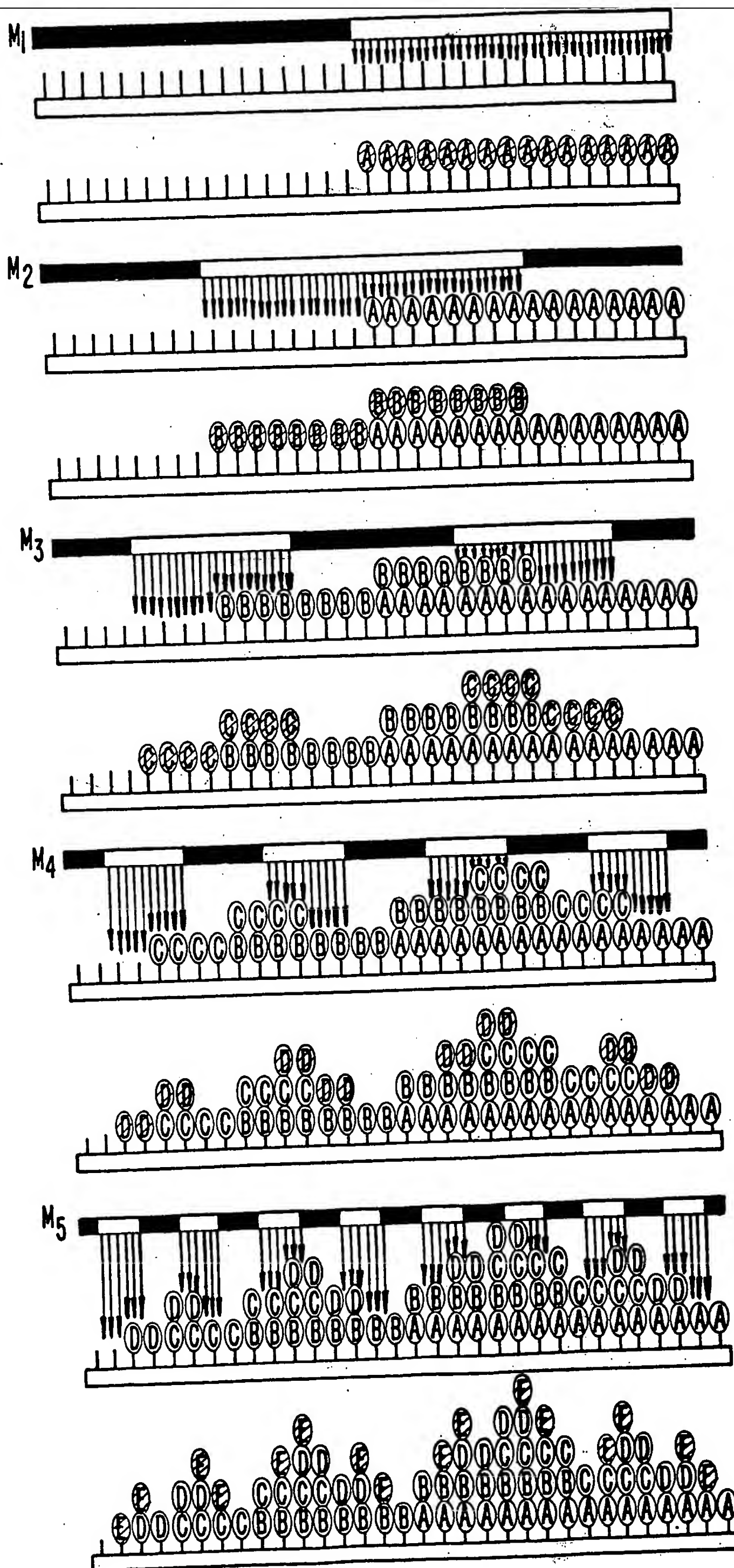
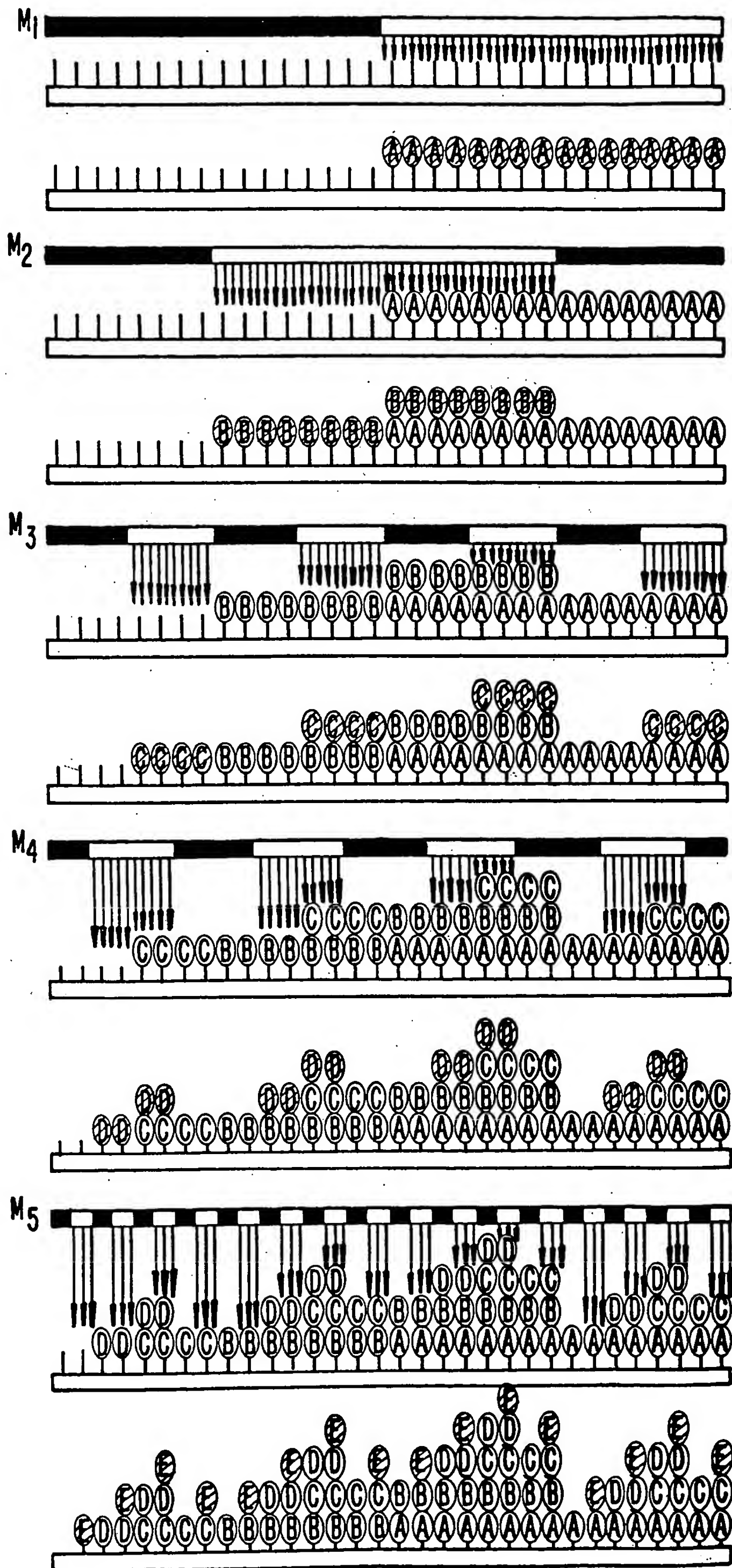


FIG. 26.



10014716-482004

FIG. 27.



1004434001

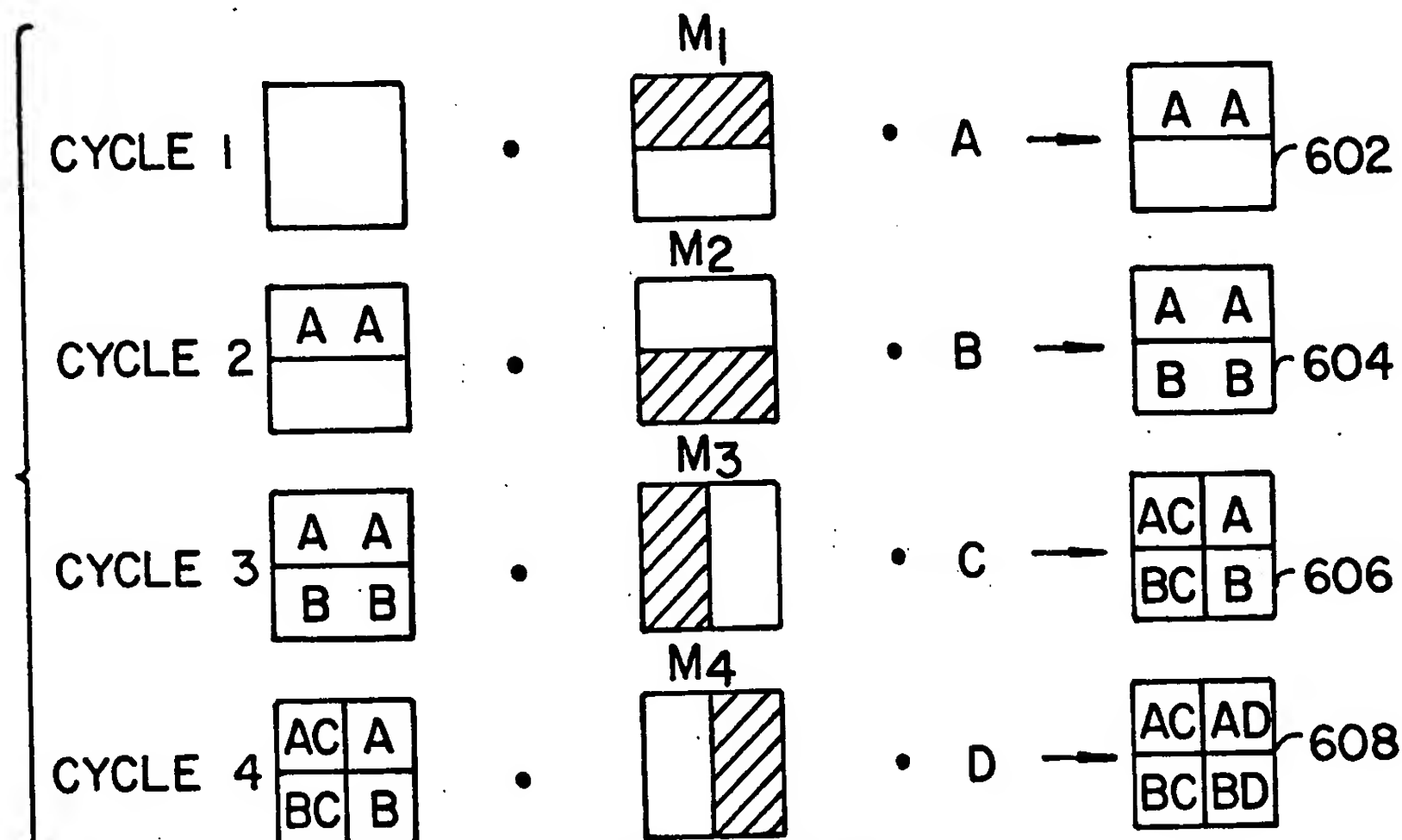


FIG. 28A.

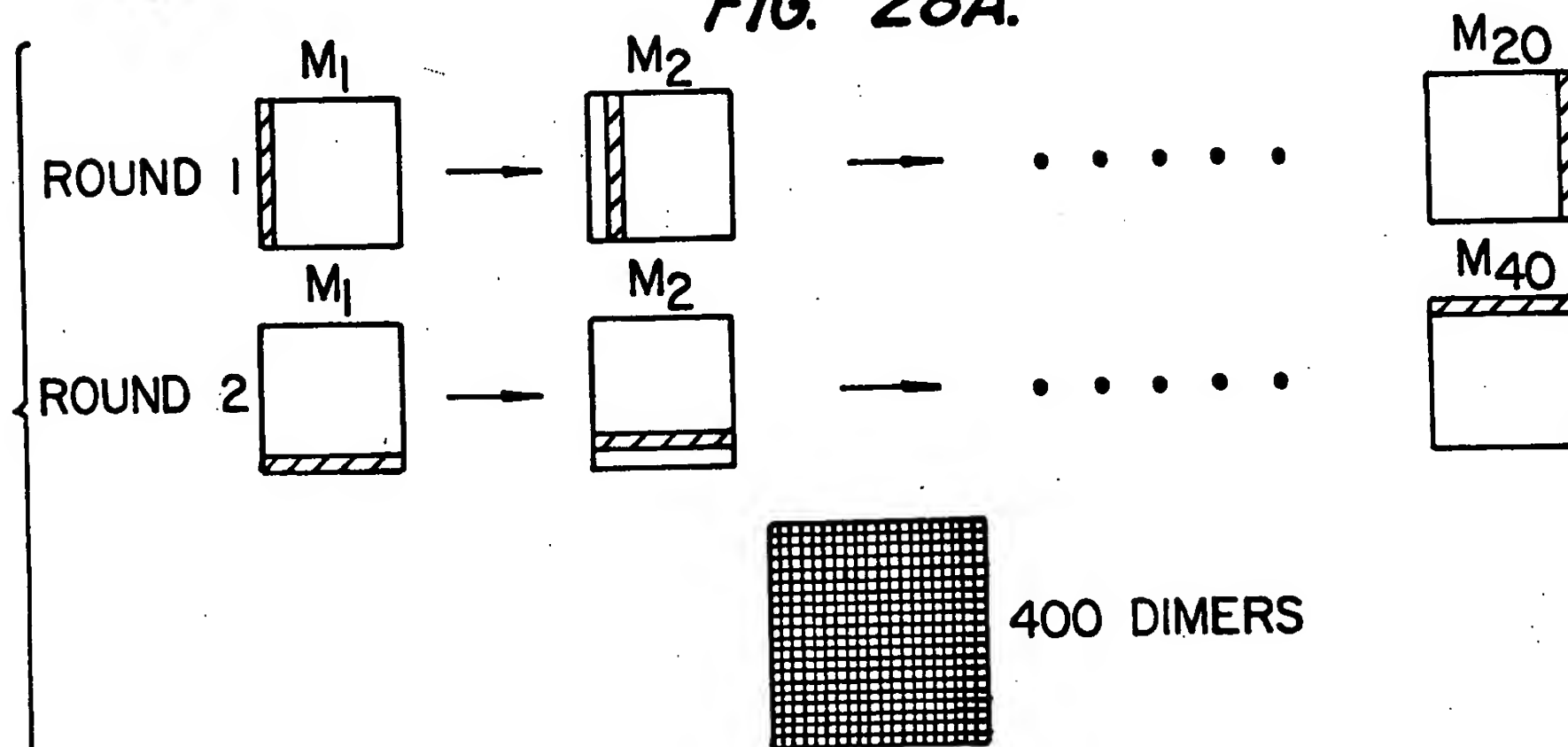


FIG. 28B.

FIG. 29

(x,y)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f
2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
3		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
4			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
6			T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
7																																
8																																
9																																
10																																

FIG. 29.

FIG. 29

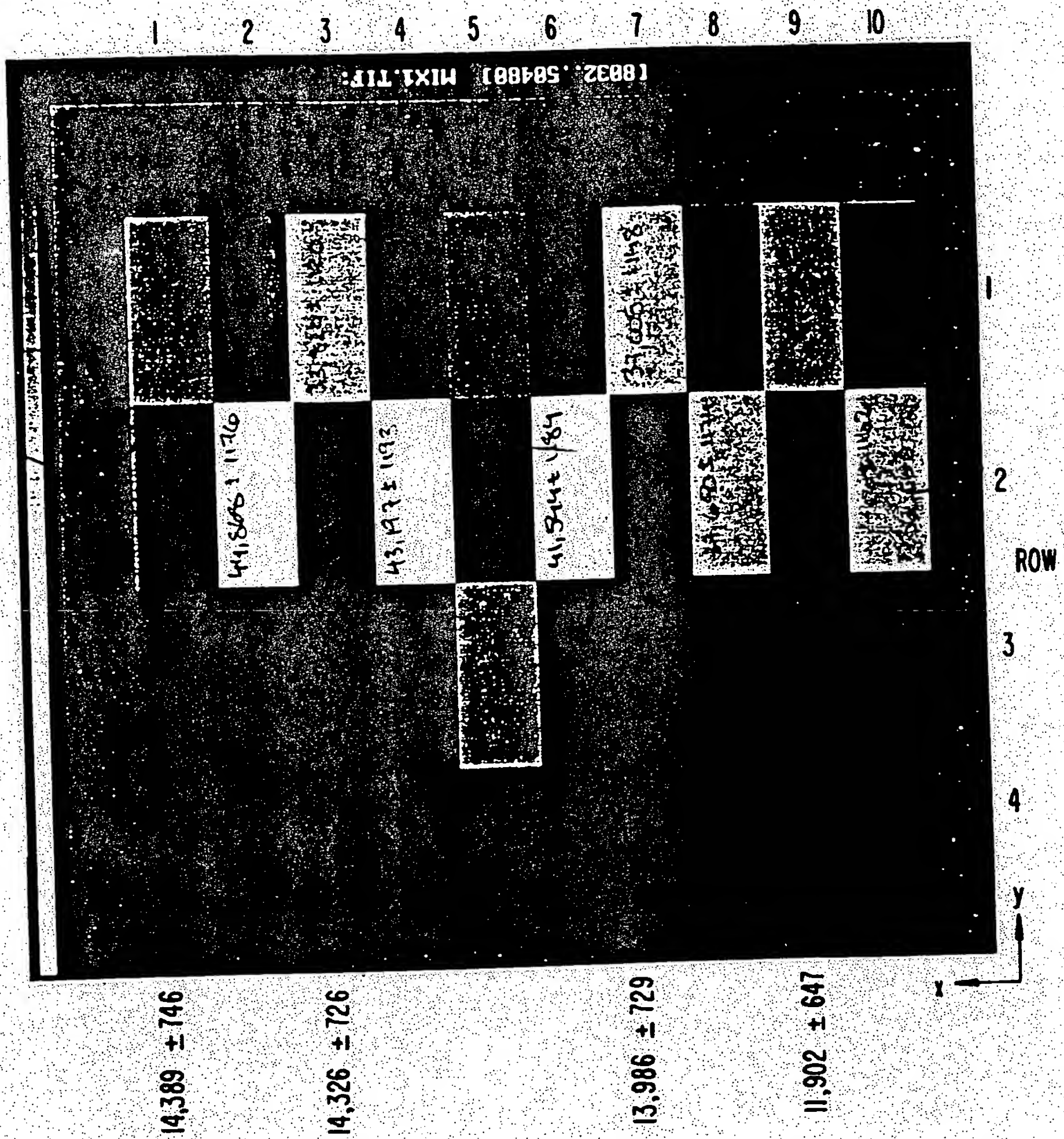
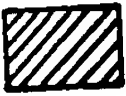

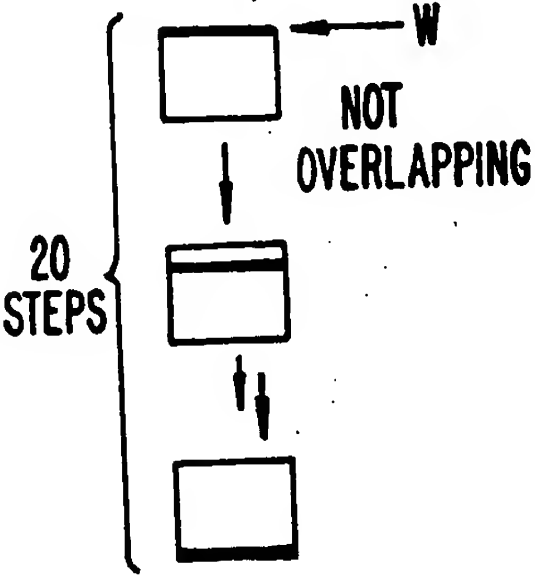

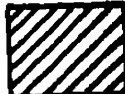


FIG. 30.

10044716-10044716

STEP	AREA PHOTOLYZED	MASK	COUPLE
1	100%		T
2	100%	.	V
3	100%	.	V
4	100%	.	K
5	50%		F
6 TO 25	Y20		G, A, R, K, C, M, S D, E, N, Q, F, H W, Y, L, P, V, I, T
26	50%		Q
27	100%		R

WILL GENERATE AN ARRAY OF 4 CLASSES OF PEPTIDES:

- (1) RXKVVT
- (2) RQXKVVT
- (3) RQXFKVVT
- (4) RFXKVVT

WHERE X REPRESENTS SUBSTITUTION OF ALL
 20 L-AMINO ACIDS

FIG. 31.

10014716-101401

RXKVVT →
 RQXKVVT • →
 RQXFKVVT →
 RXFKVVT * →

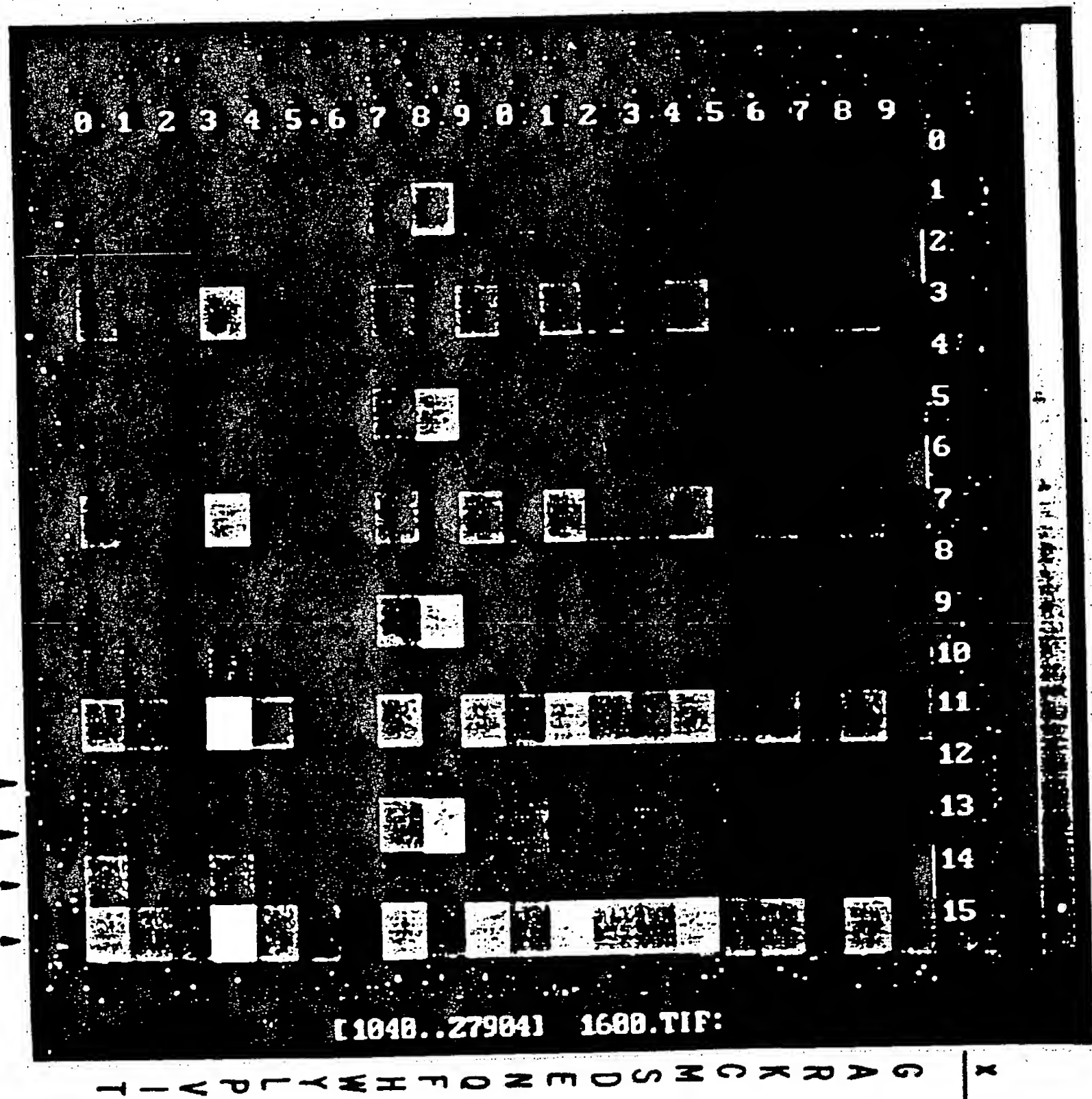


FIG. 32.

10044746-1004404

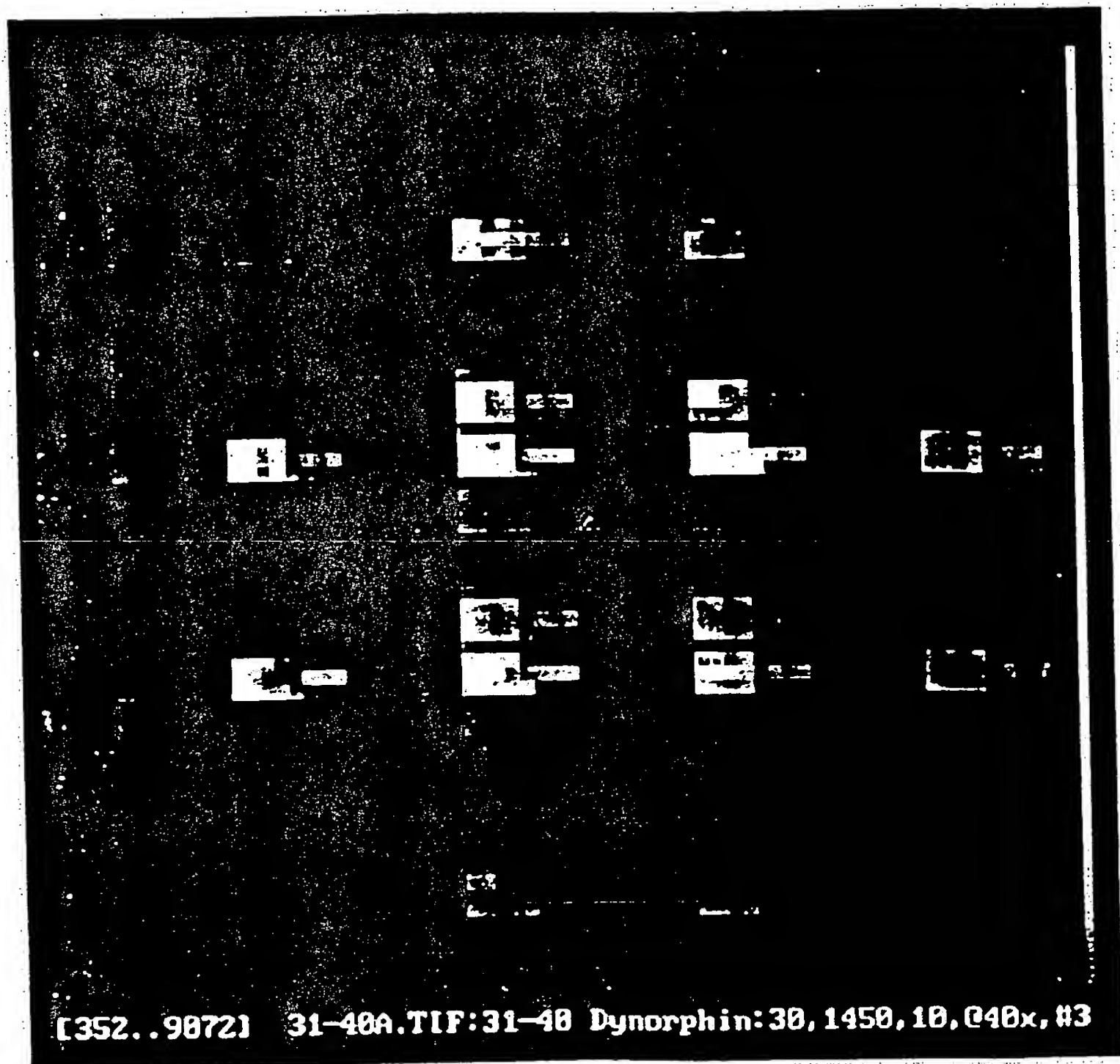


FIG. 33.

FIG. 34

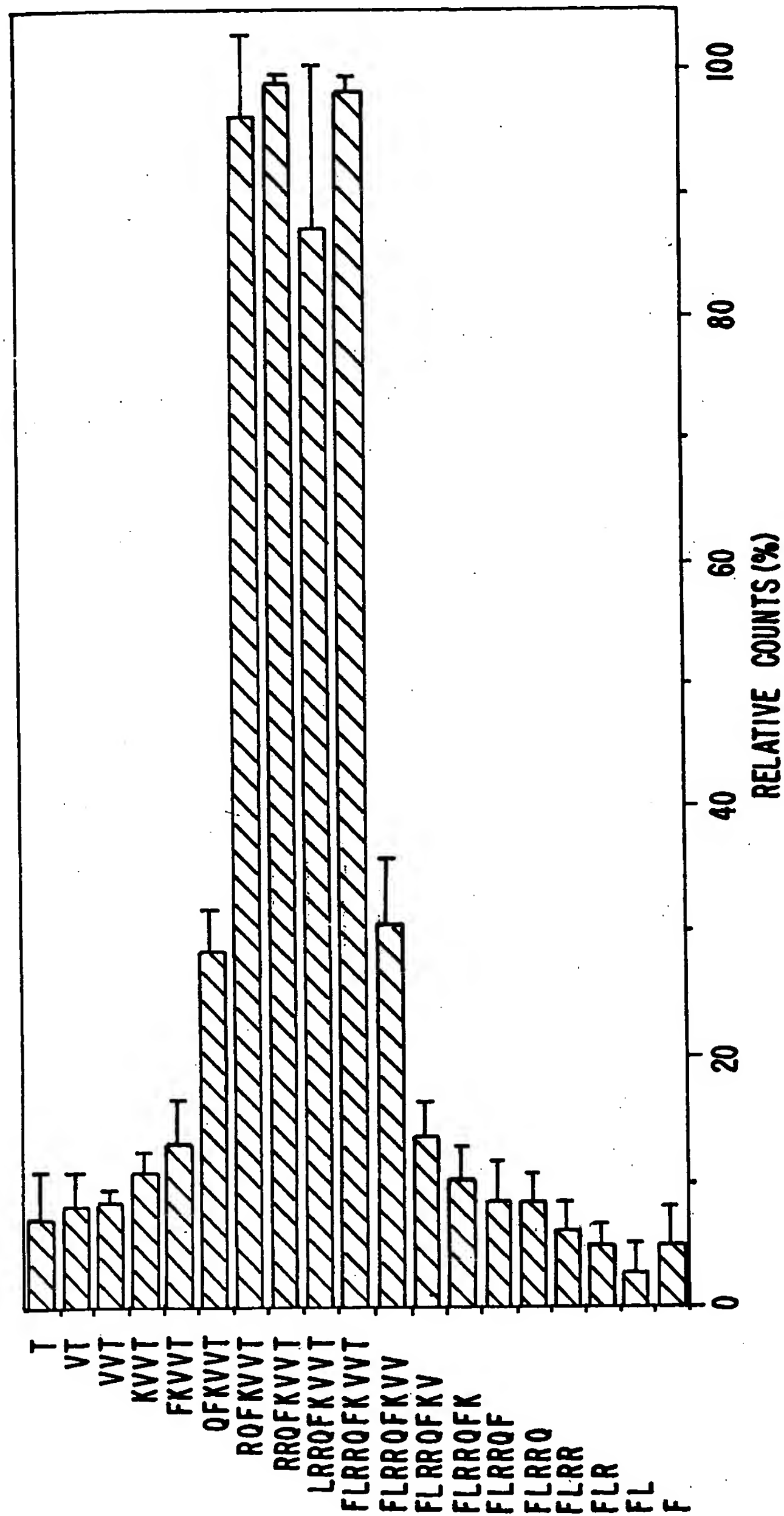


FIG. 34

10044716-1004

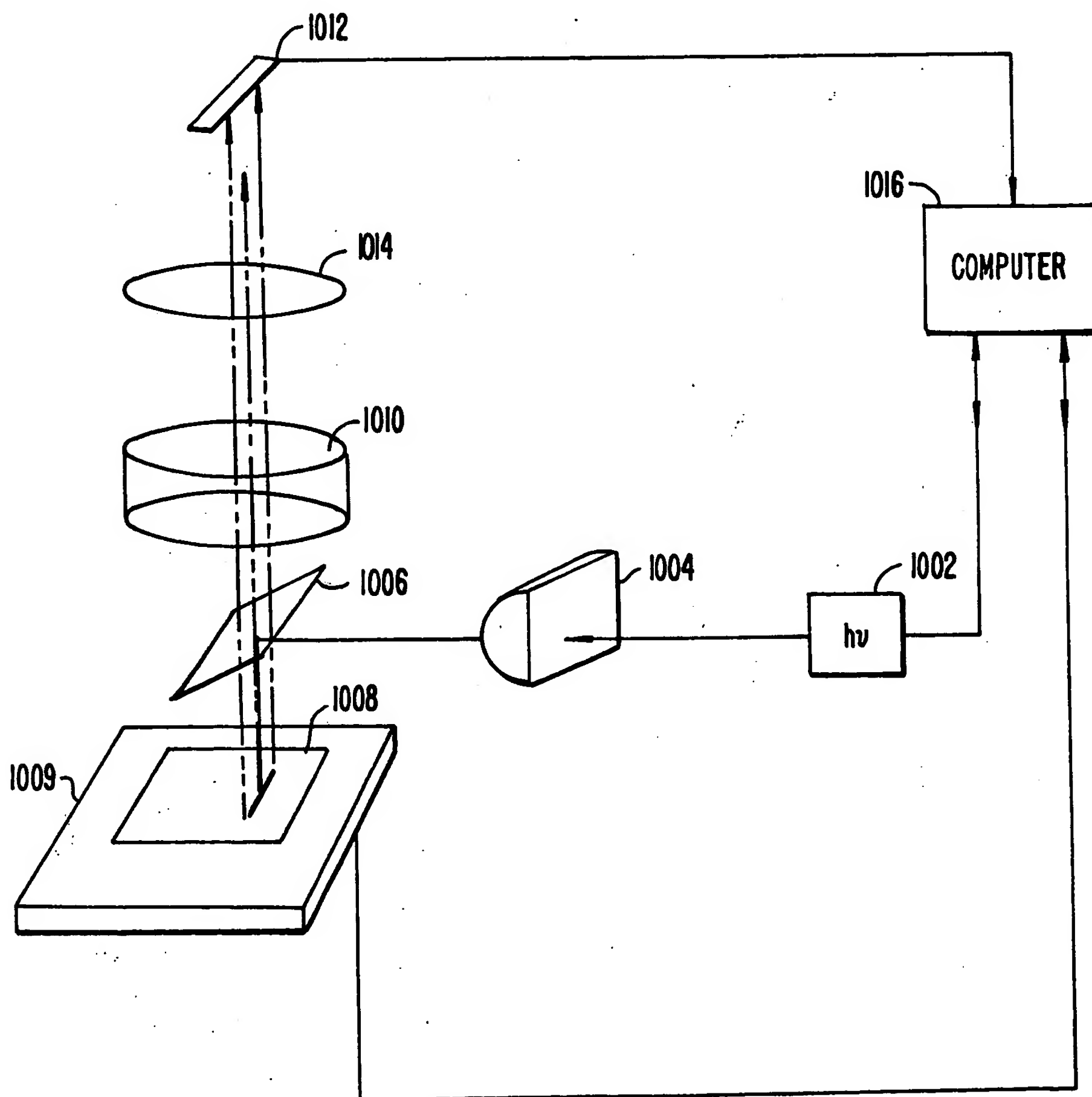


FIG 35.

10044746-434404

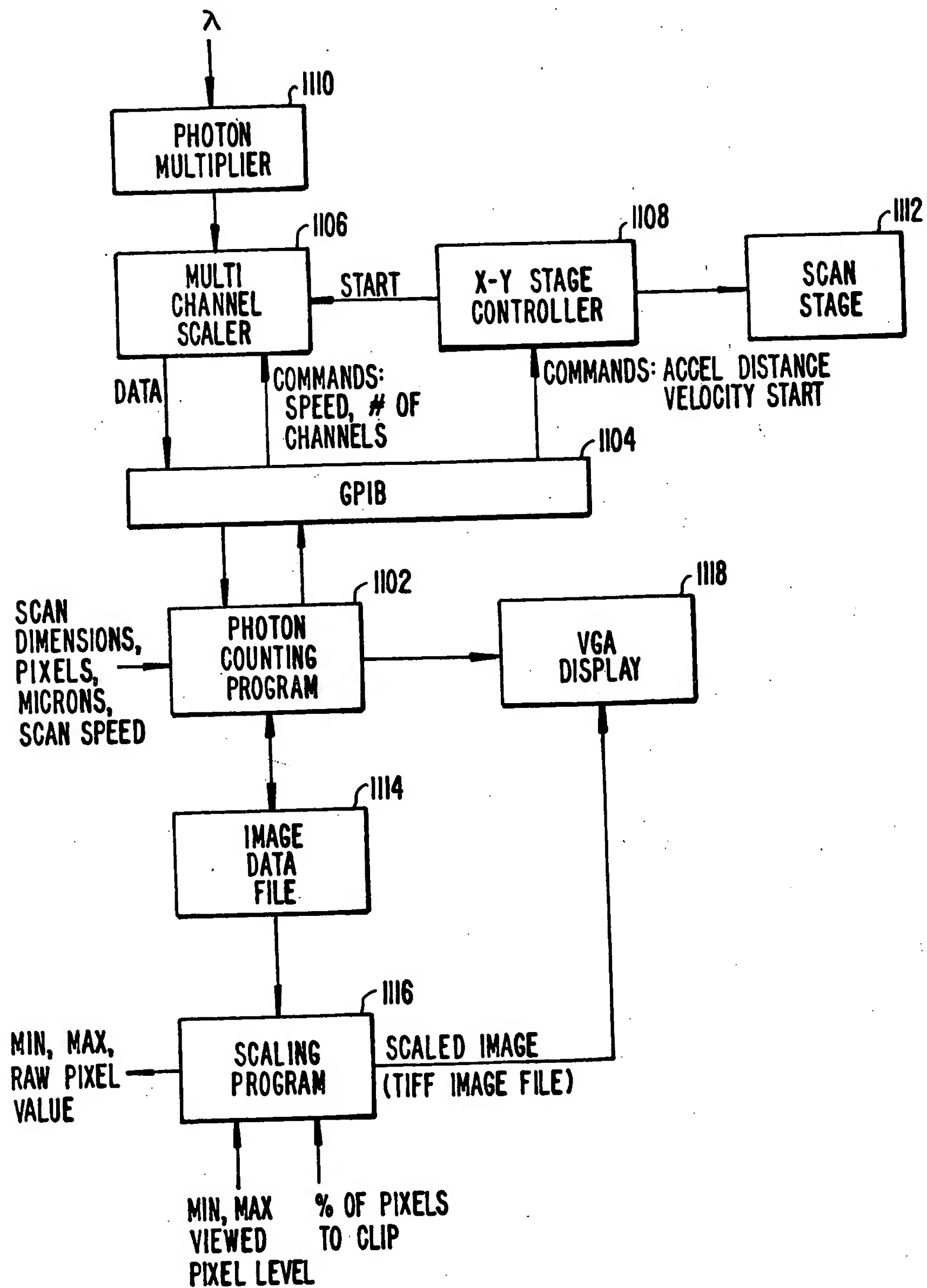
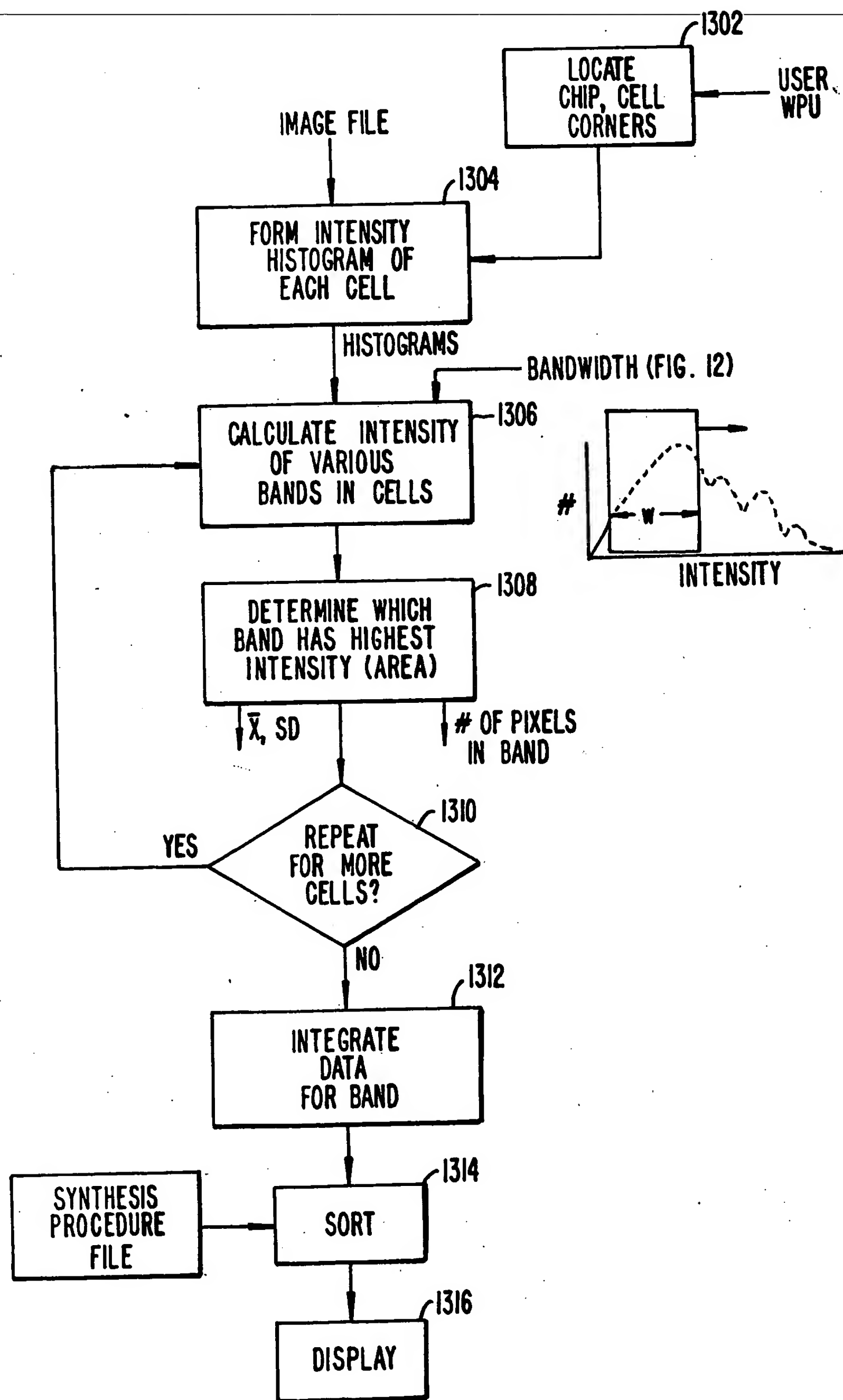


FIG. 36.



100447-100440

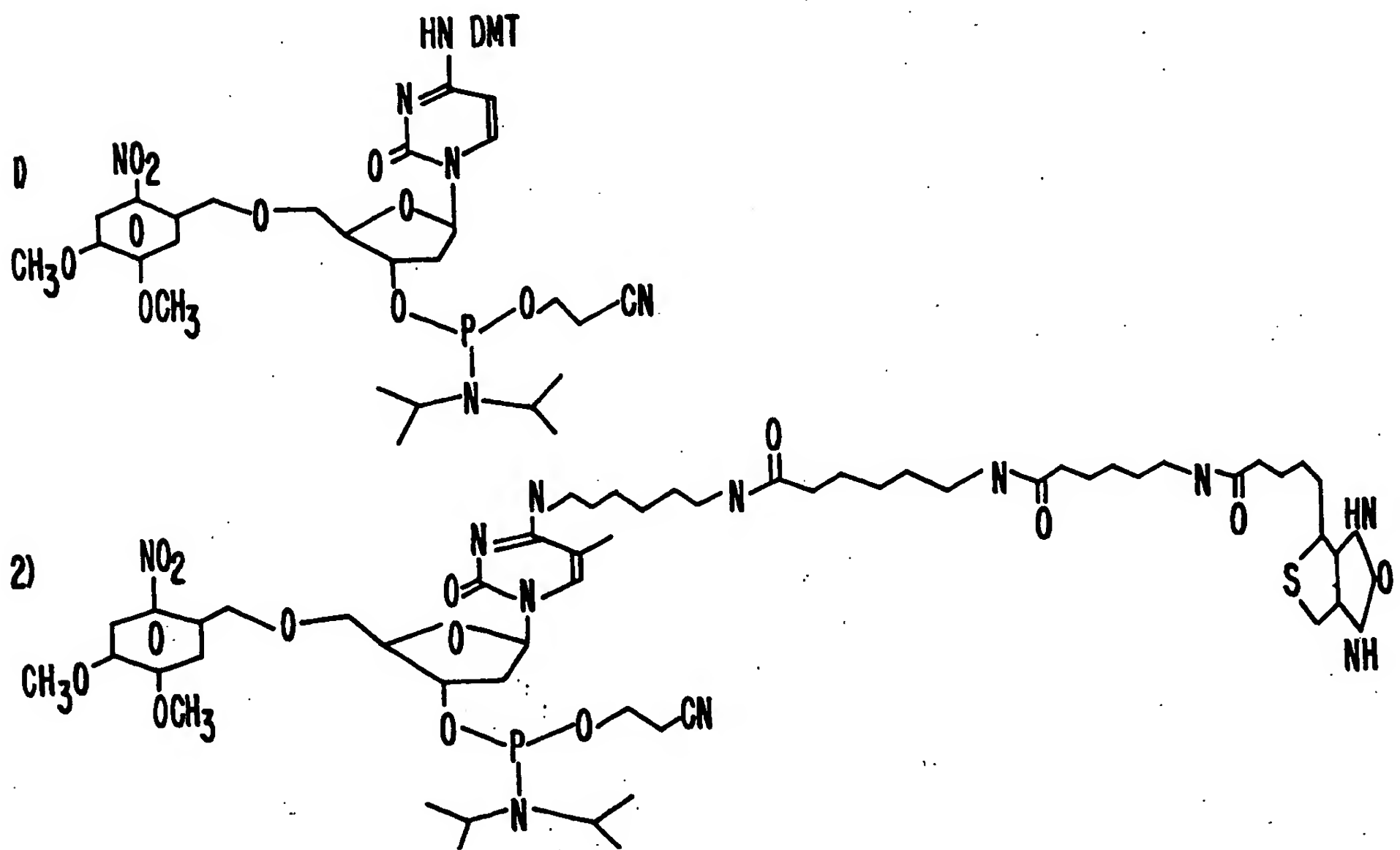
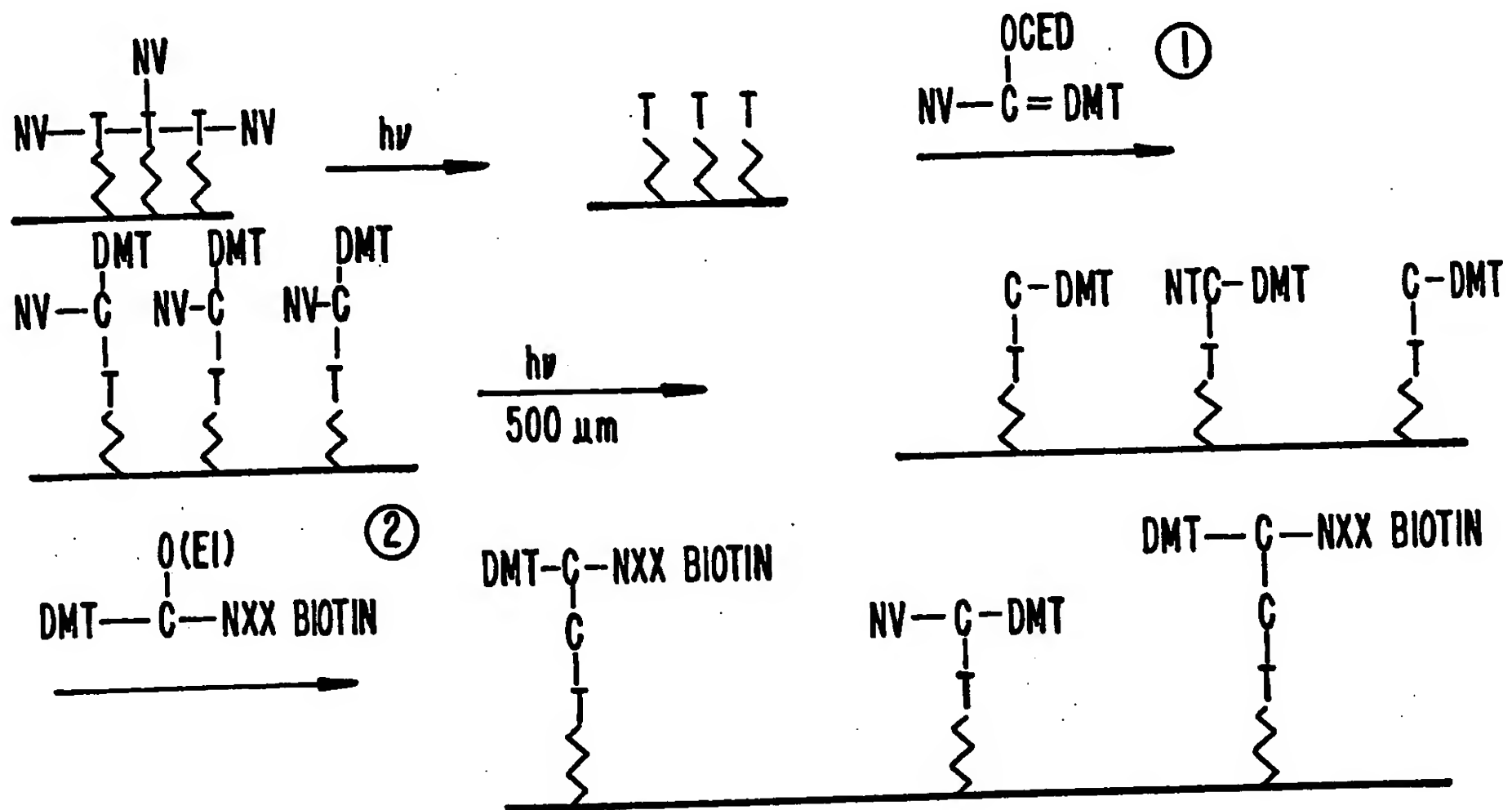


FIG. 38.

FIG. 40A

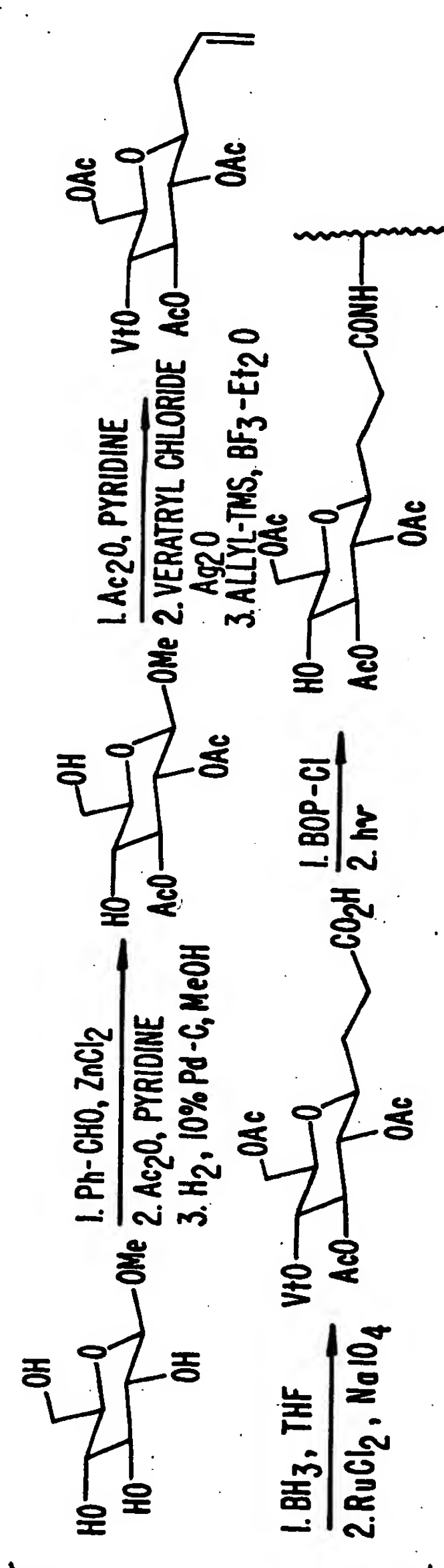


FIG. 40A.

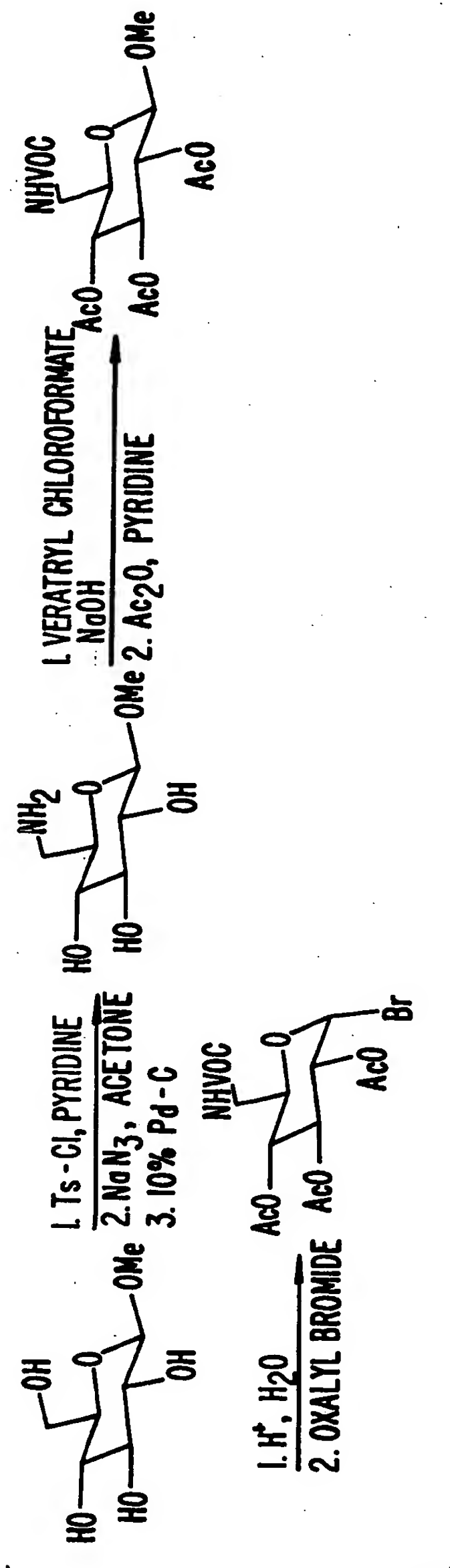


FIG. 40B.

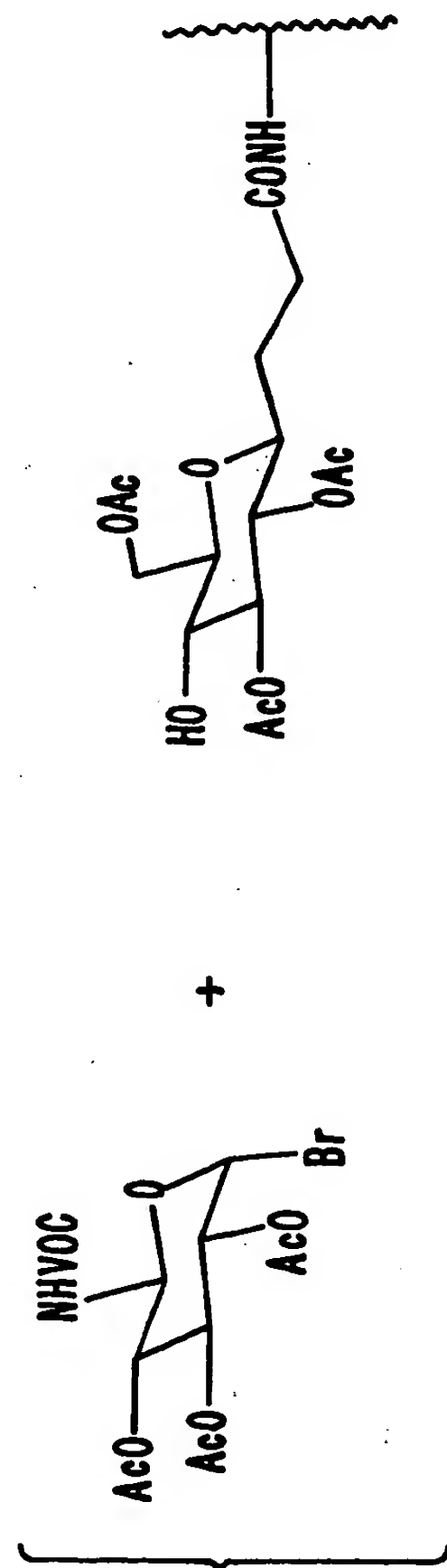
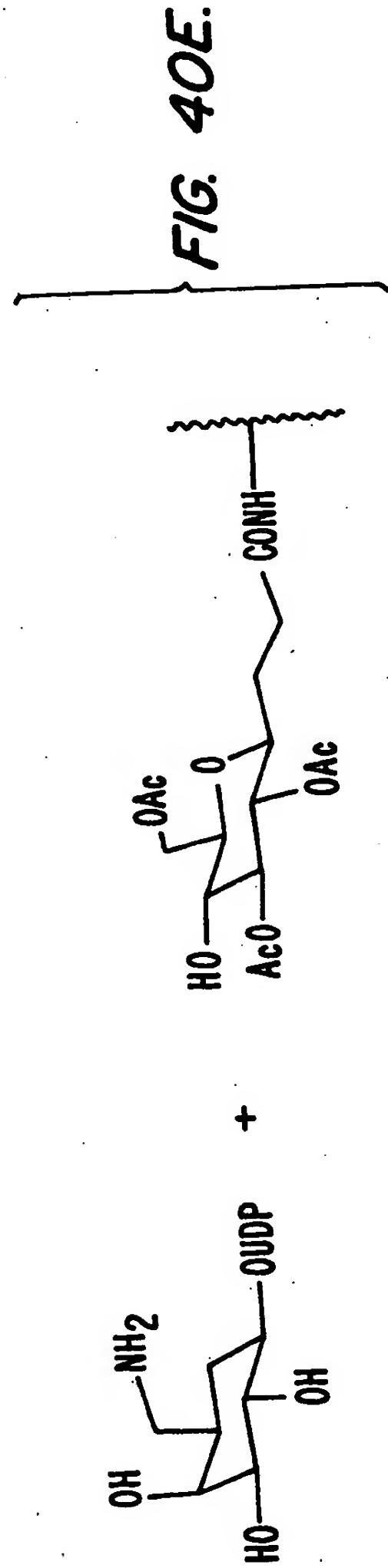
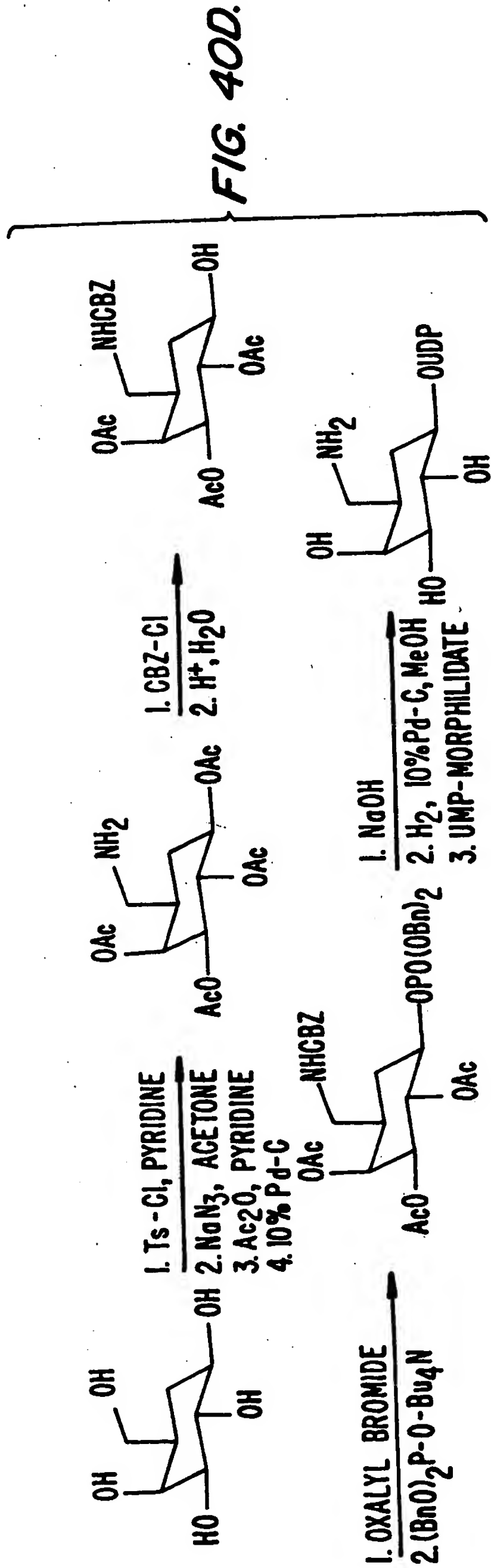
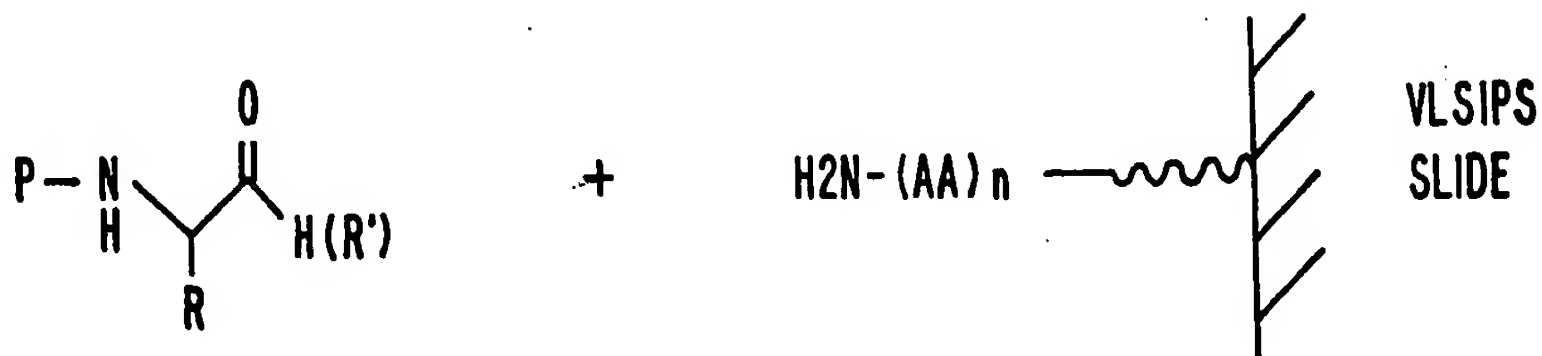


FIG. 40C.

FIG. 40D





WHERE R = AMINO ACID SIDE CHAIN OR OTHER DERIVATIVES
 R' = ALKYL
 P = PHOTO LABILE PROTECTING GROUP

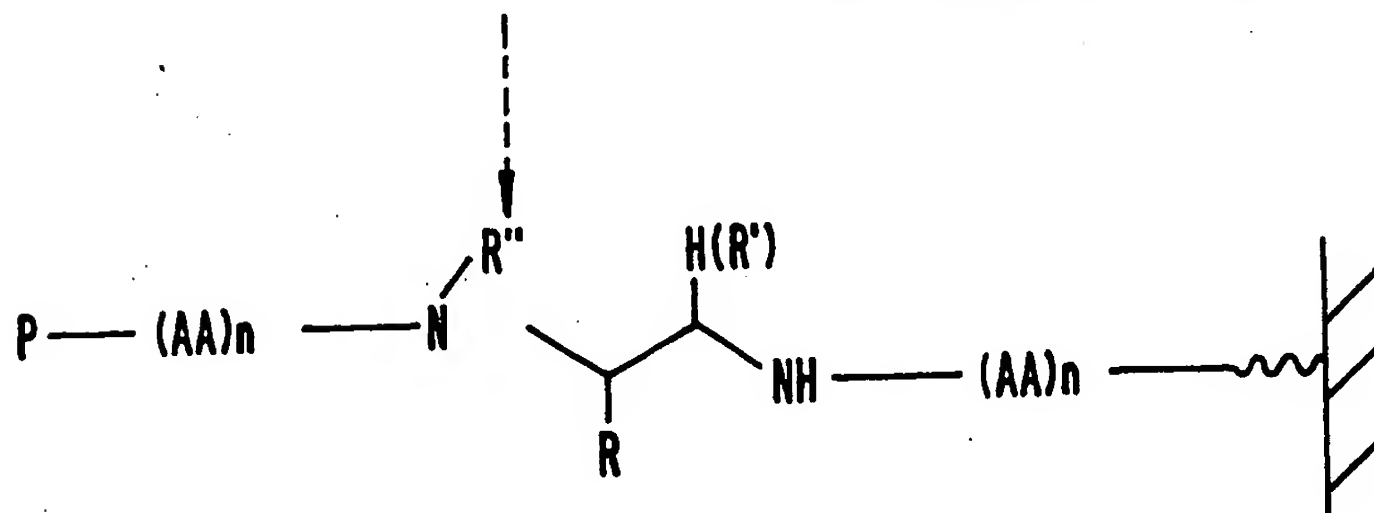
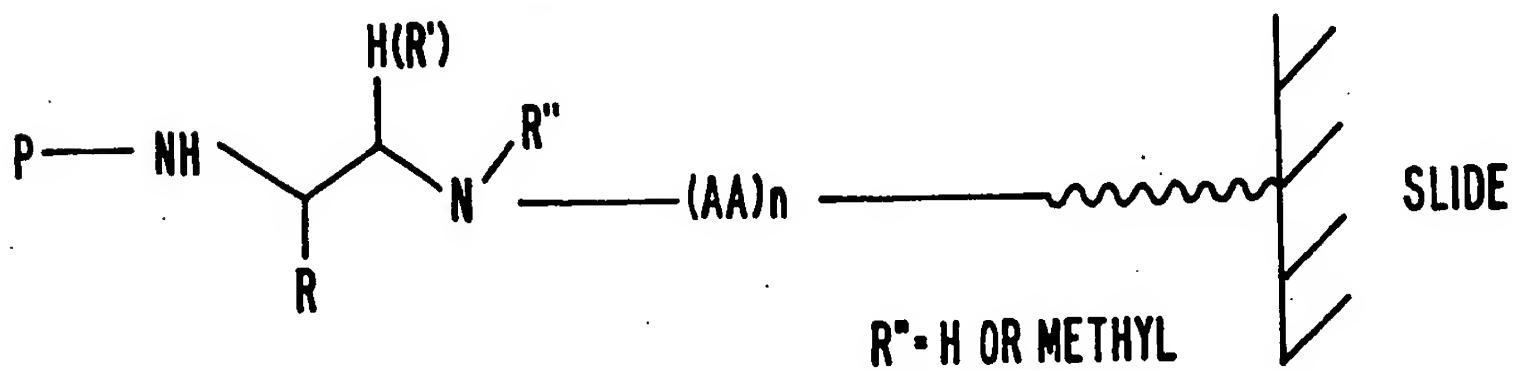
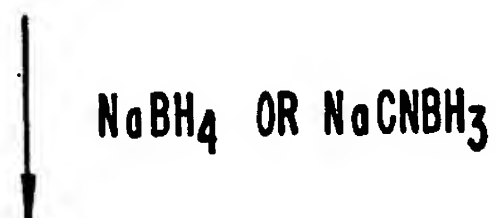
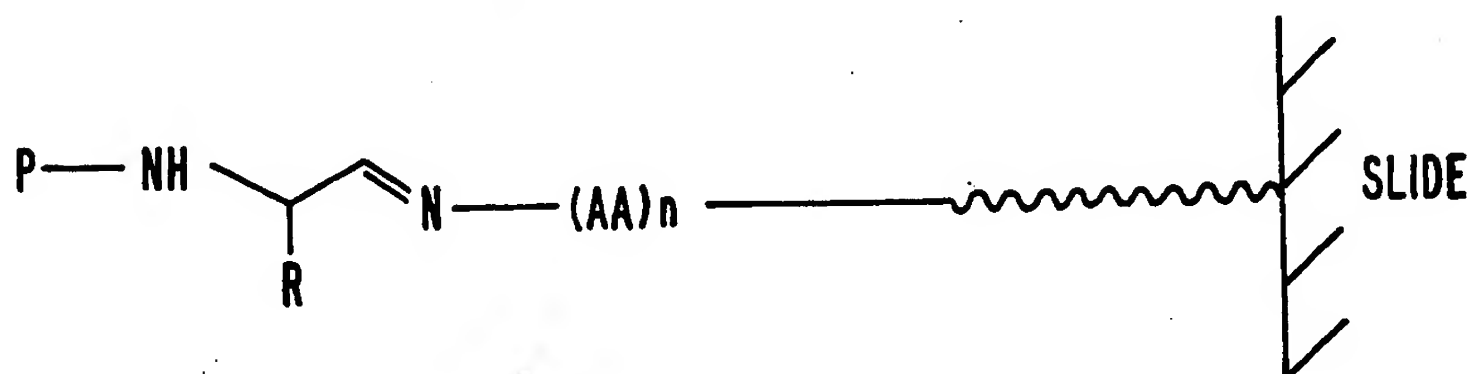


FIG. 41.